



ATAL INNOVATION MISSION



ATAL INNOVATION MISSION
World's Largest Grassroots Innovation Mission

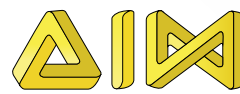
TinkerChamps

— ♦ —
The Stars of Today





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ATAL INNOVATION MISSION

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FOREWORD BY **MISSION DIRECTOR**

Atal Innovation Mission

Dr. Deepak Bagla

Every generation inherits the responsibility of shaping the future. The defining question is not merely what we build today, but what we inspire the next generation to imagine, create and accomplish. The answer lies in nurturing young minds that are curious enough to question, courageous enough to experiment and determined enough to transform ideas into meaningful solutions. It is this spirit of innovation that will define India's journey towards **Viksit Bharat @2047**.

Under the visionary leadership of Hon'ble Prime Minister Shri Narendra Modi ji, innovation has become a cornerstone of India's development agenda. Today, innovation is no longer confined to laboratories, research institutions or startups—it is becoming a people's movement, driven by students, educators, entrepreneurs and communities across the country. As India aspires to become a global innovation leader, empowering young learners with the mindset, skills and opportunities to innovate is not just an educational priority; it is a national imperative.

This vision lies at the heart of the **Atal Innovation Mission (AIM)**, **NITI Aayog**. Through the **Atal Tinkering Labs (ATL)** initiative, AIM has built one of the world's largest school-

based innovation ecosystems, enabling students across India to explore emerging technologies, embrace design thinking and develop solutions to real-world challenges. More importantly, the ATL movement has demonstrated that innovation flourishes when curiosity is encouraged, experimentation is celebrated and every child is empowered to believe that their ideas matter.

Among the many inspiring stories emerging from this movement are those of our **TinkerChamps**—young innovators who have gone beyond participating in ATL activities to become ambassadors of creativity, leadership and problem-solving within their schools and communities. They exemplify the values that define the ATL ecosystem: curiosity, resilience, collaboration, empathy and the confidence to create meaningful impact. Their journeys remind us that innovation is not measured by the sophistication of a prototype, but by the courage to solve problems that matter.

This Coffee Table Book celebrates these remarkable young changemakers. The stories featured in these pages are not simply accounts of innovative projects or technological achievements. They are stories of curiosity transforming into confidence, ideas evolving into impact and students emerging as leaders who inspire others to innovate. From rural schools to metropolitan cities, from local challenges to globally relevant ideas, these TinkerChamps reflect the immense potential that exists in every corner of our country when young minds are provided with the right ecosystem to learn, experiment and grow.

The TinkerChamp initiative is a testament to the collaborative strength of the ATL ecosystem. It reflects the unwavering commitment of school leaders, teachers, ATL In-charges, Mentors of Change, parents, industry partners and government institutions, all working together to nurture the innovators of tomorrow. Their collective efforts have

created an environment where students are encouraged not only to dream big but also to pursue those dreams with purpose and perseverance.

I extend my heartfelt appreciation to every stakeholder who has contributed to making this initiative a success. On behalf of Atal Innovation Mission and our team I would like to acknowledge **Mr. Kiran Kumar, Regional Mentor of Change (RMoC)**, whose vision and conceptualization of the TinkerChamp initiative have provided a meaningful platform to recognise and celebrate young innovators across the country. His idea of highlighting student leadership and innovation has added a new dimension to the ATL movement, inspiring countless learners to become changemakers within their own communities.

My sincere congratulations to every TinkerChamp featured in this book. Your stories reaffirm our belief that India's greatest strength lies in its young minds. Through your curiosity, creativity and determination, you have demonstrated that innovation has no barriers of geography, language or age. You are not only solving today's challenges but also inspiring a generation that will shape the India of tomorrow.

As we move towards the vision of **Viksit Bharat @2047**, the true measure of our progress will not merely be the number of innovation labs we establish, but the number of young innovators we empower to think differently, solve boldly and lead responsibly. I hope this Coffee Table Book inspires every student, teacher and innovator to believe that even the smallest idea has the potential to create extraordinary impact.

Together, let us continue to nurture curiosity, celebrate innovation and empower every young Indian to become a creator of solutions and a leader of change.

Happy Tinkering!



MESSAGE BY **REGIONAL MENTOR OF CHANGE**

Atal Innovation Mission

Kiran Kumar H S

Reflecting on the last six years, the journey of **Tinker Champs** stands out as one of the most fulfilling chapters of my mentorship career. What began as a focused effort to guide a small pool of talented student tinkerers has blossomed into a powerful, cross-country, inter-ATL movement that is redefining peer learning and entrepreneurship education across India.

The true genesis of Tinker Champs as a structured, student-driven initiative took root during Tinkerpreneur 2021. Alongside my fellow mentor, Mr. Phaneendra J., I observed something extraordinary: school students weren't just absorbing new-age skills—they were eager to teach them to others. Recognizing this untapped leadership, we stepped in to guide a passionate founding cohort of students. Our collective vision was simple yet disruptive: to transform school students from passive consumers of knowledge into active young changemakers, innovators, and entrepreneurs.

The Evolution: Democratizing 21st-Century Skills

Over the years, the program has evolved from a localized mentoring group into a highly structured national network. To scale their efforts, the students organized themselves into school-level and national-level **Tinker Champ Clubs**. School-level clubs drive grass-roots tinkering within their immediate campuses, while our national-level clubs design and deploy massive initiatives that impact students spanning multiple towns, cities, and states.

As a mentor, my role has been to provide the strategic scaffolding for the program's growth.

folding—equipping them with the frameworks, resources, and leadership training necessary to take complete ownership of the initiative. By leveraging online collaboration platforms, these students seamlessly bridge geographical boundaries, proving that innovation isn't limited by classroom walls. They have effectively democratized the learning experience through an agile combination of self-learning, peer-learning, and shared-learning methodologies.

Impactful Initiatives & Driving the Sustainable Development Goals (SDGs)

The sheer variety and scale of the change-making initiatives spearheaded by our Tinker Champs have been staggering. They have designed and executed:

- **Peer Mentoring & Hands-on Training:** Acting as the primary “go-to” technical resources in their respective ATLs to handhold beginner tinkerers.
- **Skill-Building Bootcamps & Webinars:** Upskilling over **50,000 students** across India in critical 21st-century disciplines—such as design thinking, digital skilling, and entrepreneurship—which are often missing from traditional school curricula.
- **Digital Tools & Infrastructure:** Building bespoke ATL web portals and developing localized tinkering support tools to aid fellow innovators.
- **The “BizBox” Product:** Developing an ingenious, physical entrepreneurship kit explicitly engineered to teach core business and startup skills to students in rural and semi-urban areas.

Importantly, our Tinker Champs do not innovate in a vacuum. They have channelled their problem-solving acumen into key Sustainable Development Goal (SDG) areas, crafting real-world solutions for pressing global issues like climate change, thereby modelling what it truly means to be global citizens.

Global and National Laurels: Celebrating Our Trailblazers

The true validation of this program lies in the remarkable national and international acclaim earned by our Tinker Champs. Some of our Tinker Champs have been honoured with the Rastriya Yuva Puraskar (National Youth Award) — conferred by the Government of India's Ministry of Youth Affairs and Sports to citizens aged 15 to 29 years and voluntary youth organizations that have demonstrated extraordinary excellence in national development and social service.

A few Tinker Champs have also received the prestigious Di-

ana Award — an international recognition established in memory of Princess Diana to celebrate exceptional young changemakers — and the 18 Under 18 Award by Bower University in India, spotlighting 18 outstanding innovators under the age of 18.

Beyond these accolades, several Tinker Champs have taken the stage as TEDx Speakers, sharing their transformative journeys as young changemakers and inspiring audiences worldwide.

Together, these achievements have positioned the Tinker Champs as true global icons of youth leadership — trailblazers whose impact resonates far beyond borders.

National Contributions: Catalysing the Atal Innovation Mission

A crowning milestone in our six-year journey has been the deep integration of Tinker Champs with the **Atal Innovation Mission (AIM)** national programs. Our students have moved from being mere participants to vital co-creators of AIM's flagship frameworks.

- **AIM's Tinkerpreneur Bootcamp:** Tinker Champs have become core pillars of this national bootcamp. During Tinkerpreneur 2023, 2024, 2025 and 2026, stellar Tinker Champs from all across the country – from different states and cities came together, and collaborated with each other to develop and contribute official self-learning e-learning resources. They have repeatedly led the “Handhold Me” mentoring sessions, guiding thousands of bootcamp participants through intense digital skilling and entrepreneurial skilling.
- **Mega Tinkering Day & ATL Marathons:** Whether by generating blueprints for official digital platforms or organizing massive country-wide Maker Faires and Hackathons, Tinker Champs act as the premium volunteer workforce and regional ambassadors that bring AIM's grand visions to life at the grassroots level

Recognition & The Path Ahead

Today, the Tinker Champs are widely celebrated as pioneers, role models, and trusted ambassadors of their respective ATLs. Their disruptive efforts have earned overwhelming praise and active support from school principals, teachers, parents, and national bodies like AIM.

What started six years ago as a modest mentorship project has transformed into an unstoppable, student-led revolution. Seeing these young minds step up as the leaders of tomorrow gives me immense confidence that the future of Indian innovation is in remarkably capable hands.



MESSAGE BY **PROGRAM LEAD**

Atal Innovation Mission

Ms. Deepali Upadhyay

Atal Innovation Mission (AIM), NITI Aayog, was established with the vision of fostering a culture of innovation and entrepreneurship across the country. Over the years, the Atal Tinkering Labs (ATL) initiative has emerged as one of India's largest school-based innovation movements, empowering young minds with access to emerging technologies, design thinking, and experiential learning. Today, thousands of schools across the nation are nurturing a generation of problem-solvers, innovators, and changemakers who are shaping the future of India.

At the heart of every thriving Atal Tinkering Lab are students whose curiosity inspires action, whose creativity transforms ideas into solutions, and whose leadership motivates others to innovate. The **TinkerChamp** initiative was envisioned to celebrate these young innovators and provide them with opportunities to become ambassadors of innovation within their schools and communities. More than a title, a TinkerChamp represents the spirit of exploration, collaboration, resilience, and purposeful innovation that lies at the core of the ATL ecosystem.

This Coffee Table Book is a celebration of that spirit. It captures the inspiring journeys of TinkerChamps from di-

verse geographies, backgrounds, and schools who have embraced innovation to solve real-world problems. Their stories demonstrate that meaningful innovation is not defined by sophisticated technology alone but by empathy, perseverance, creativity, and the determination to create positive impact. From developing solutions for local challenges to inspiring fellow students to embrace tinkering, these young innovators exemplify the transformative power of experiential learning.

The TinkerChamp stories featured in this book reflect the vibrant innovation ecosystem that has been nurtured through the collective efforts of educators, mentors, school leaders, industry partners, and government institutions. This is a source of inspiration for every student who dreams of building something meaningful, every teacher who believes in nurturing curiosity, and every school striving to create an environment where innovation flourishes.

I take this opportunity to express my sincere gratitude to the leadership of Atal Innovation Mission for their unwavering vision and support in building innovation as a national movement.

I would like to place on record my sincere appreciation to **Mr. Kiran Kumar, Regional Mentor of Change (RMoC)**, for conceptualizing the **TinkerChamp** initiative and envisioning a platform that celebrates the passion, creativity, and leadership of young innovators..

A special note of appreciation goes to every TinkerChamp featured in this book. Your curiosity, perseverance, and passion remind us that the future of innovation in India is in capable hands.

As we look ahead, I am confident that the TinkerChamp movement will continue to inspire millions of young innovators across the country.

I want to appreciate the efforts of the ATL Team, Sh. Shubham Gupta, Ms. Ridhi Jain, Sh. Hrishikesh MP, Sh. Punit Aro-
ra, for providing invaluable support to the initiative. I would also like to thank my colleagues at AIM, for their support in enabling the innovation ecosystem for ATL community. Together, let us continue nurturing a generation of young innovators who will lead the nation towards the vision of **Viksit Bharat @2047**.

Happy Tinkering!

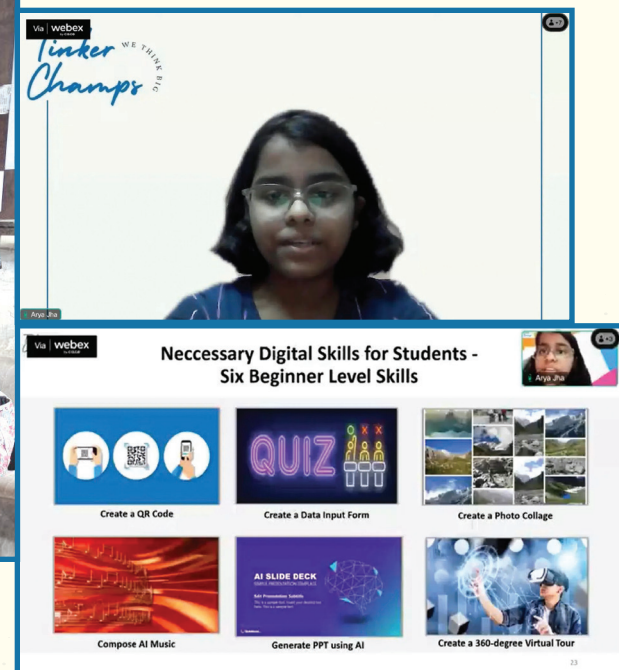


TECHNOLOGY, INNOVATION & IMPACT

ARYA JHA

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Arya, a student of BDM International School, Kolkata, is a passionate young innovator and changemaker who believes in using technology, innovation, and collaboration to create meaningful impact in society. Her innovation journey began through ATL TinkerPreneur 2023, where her project Travel Tales was selected among the Top 10 teams nationwide. This achievement led to her mentorship under Kiran Kumar Sir and her induction into the prestigious Tinker Champs group in 2024 for her innovation mindset, leadership, and contributions towards youth-driven changemaking initiatives.

With the guidance of Kiran Kumar Sir, Phaneendra Sir, and through collaborations with fellow Tinker Champs across India, Arya actively contributed through mentoring sessions, workshops, innovation initiatives, and support activities during TinkerPreneur 2024 and 2025. As a speaker in the “HandHold Me” sessions, she guided and motivated participants while also assisting students throughout their registration and project submission journeys. Through her contributions in organizing online sessions, creating learning materials, and mentoring participants, she positively impacted nearly 10,000–15,000+ students across the country.

Within her school community and previous school, Central Academy, Jaipur, Arya conducted digital skilling and space education workshops for students and peers, impacting nearly 100–120 students. Her passion for innovation and social impact further expanded through the founding of her

mental health care initiative and startup, Saarthi, alongside Pragya Sharma from Jaipur. Through Saarthi, they conducted several awareness initiatives and organized IgniFlux, a global virtual event featuring speakers from diverse fields including neuroscience, psychology, and mental health advocacy. Participants from more than nine countries joined the event, making it an impactful international initiative focused on awareness, learning, and meaningful discussions.

Arya has also worked with the Jaipur-based aerospace startup Aerodynax, contributing to CubeSat launching programs and research-related work. In addition, she worked with Astroflux, an organization dedicated to space education, where she successfully published two space-related articles, including her first publication at the age of 12. Her journey in mentorship and innovation further continued through her role as a student mentor associated with the Atal Innovation Mission, where she addressed students from various states across India on topics including technology, artificial intelligence, waste management, entrepreneurship, and changemaking under the guidance of Mr. D.R. Dhariwal, Mentor of Change from Jaipur, Rajasthan.

In the future, Arya aspires to continue building impactful initiatives in the fields of innovation, mental health awareness, technology, and space education while inspiring and mentoring students across the country to become young innovators and changemakers contributing towards a better future.



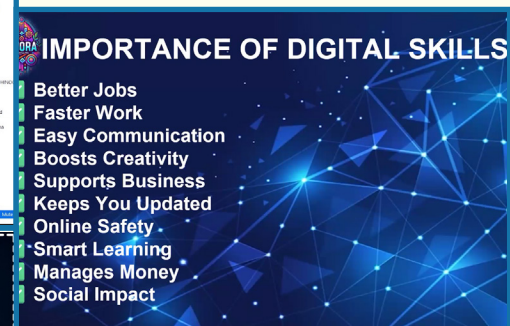
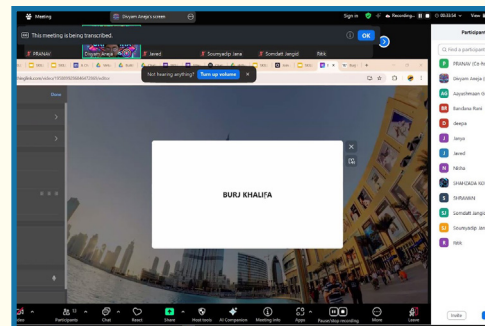
DIVYAM ANEJA IS A STUDENT OF DCM PRESIDENCY SCHOOL

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Divyam Aneja is a student of DCM Presidency School, Ludhiana, Punjab, who is deeply passionate about building innovative solutions that create meaningful social impact. From an early stage in his academic journey, he has actively explored ideas that combine creativity, technology, and collaboration to solve real-world problems while empowering people through learning and community-driven initiatives.

One of his early innovations was Global Fusion, a platform designed to bridge the gap between cultures by connecting young people from different communities through interaction, learning, and cultural exchange. The idea was inspired by the growing lack of cultural awareness, limited global exposure among students, and the increasing disconnect between youth communities worldwide. Through Global Fusion, Divyam aimed to encourage students to explore diverse traditions, lifestyles, and perspectives while promoting understanding, inclusivity, and unity. The project received recognition on multiple platforms and helped Divyam secure a position among the Top 100 teams of Tinkerpreneur 2024, becoming a significant milestone in his innovation journey.

As his changemaking journey progressed, Divyam became increasingly focused on digital education and the growing need for practical AI literacy. During various campaigns, workshops, and community initiatives conducted under the guidance of mentors like Mr. Kiran Kumar HS and through opportunities provided by the Tinkerpreneur ecosystem, he observed that many students and learners lacked access to simple, practical, and confidence-building digital education. This realization inspired him to create SkillVora AI, a venture dedicated to simplifying AI and digital skills for learners from different backgrounds and helping them adapt to the rapidly evolving digital world.

Recognizing his leadership, innovation journey, and contribution towards peer learning, Divyam was inducted into the Tinker Champs community in June 2025. Becoming a Tinker Champ opened opportunities for him to collaborate with young innovators from across India and contribute towards larger student-led initiatives focused on innovation, digital awareness, and community impact.

As a Tinker Champ, Divyam has contributed to multiple workshops, masterclasses, and awareness sessions focused on digital skills, AI literacy, and student innovation. Through

SkillVora AI learning batches, he has mentored students and learners in understanding practical digital tools in a simple, engaging, and accessible manner. He has also developed presentations, educational resources, brochures, handbooks, and learning materials that help individuals explore digital platforms, improve their ideas, and connect with communities that support innovation and growth.

Alongside mentoring initiatives, Divyam has worked towards building a growing digital skills community where students can showcase projects, receive guidance, collaborate with peers, and learn together through practical exposure and shared experiences. Collectively, these mentoring initiatives, workshops, learning batches, and awareness programs have impacted approximately **15,000–20,000 students and mid-career professionals**, helping them explore digital tools, AI literacy, innovation, and practical skill development in an accessible and engaging way.

Divyam also contributed during Mega Tinkering Day under initiatives guided by Mr. Phaneendra by helping create brochures, handbooks, and student resources for large-scale participation activities connected to the world record initiative. He also contributed to the Viksit Bharat Buildathon 2025 (VBB), where he worked alongside fellow Tinker Champs to support collaborative learning, innovation-driven activities, and digital awareness initiatives that impacted thousands of students across different regions.

Looking ahead, Divyam aims to continue expanding SkillVora AI and build a future where digital skills, AI education, and innovation become accessible to everyone regardless of their background. He strongly believes that empowering people with practical knowledge, confidence, and opportunities to adapt in the digital era is one of the most impactful forms of changemaking.

Throughout his changemaking journey, Divyam has remained deeply grateful for the support and encouragement he received from the Atal Innovation Mission, Mr. Shubham, Mr. Kiran Kumar HS, Mr. Phaneendra, his school, DCM Presidency, the school principal Ms. Rajni Kalra, his mentors Mr. Rohit Moudgil and Ms. Priyanka Chitkara, along with his parents, fellow Tinker Champs, his peers, and to everyone who supported and believed in him throughout his innovation and leadership journey.



INNOVATION, EDUCATION & IMPACT

JEYA MALHOTRA

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What began as small student-led sessions and conversations has grown into a mission to prove that teenagers are not just future leaders, but capable of building scalable solutions, research, and communities that can create measurable impact today.

Jeya Malhotra is a student from Bangalore and one of India's emerging young changemakers, recognized nationally for her work in innovation, entrepreneurship, education, and social impact. Since becoming a part of Tinker Champs in 2023, she has worked closely with the Atal Innovation Mission, NITI Aayog, the Government of India, and Tinker Champs to co-lead national initiatives that have impacted thousands of students across the country.

She has led teams creating educational resources on changemaking, entrepreneurship, and digital skills education, while also contributing to BizBox, an entrepreneurship kit aimed at empowering rural children through hands-on innovation and problem-solving. During ATL Tinkerpreneur 2024, she led a team of 50 students, coordinated the development of the national program portal, organized 15+ live mentoring and training sessions, and contributed to building one of the largest student-led peer mentoring ecosystems in the country through Tinker Champs. She believes mentorship is most powerful when mentors and mentees learn from one another through collaboration and shared experiences. Jeya is also the founder of Khwaish, an internationally recognized student-led organization working to

create a more inclusive world for children with intellectual disability. Through collaborations with students, educators, and special educators across India and Spain, Khwaish develops vocational skill-building programs, awareness initiatives, and expert-designed learning kits that empower children and support inclusive education. Her work has impacted thousands of students, parents, and educators while promoting dignity, accessibility, and equal opportunities.

Her achievements have earned her some of the highest recognitions for youth leadership and innovation. She is a recipient of the The Diana Award, one of the world's most prestigious honors for young people creating social change, where she spoke virtually alongside Prince Harry about youth innovation and impact through Tinker Champs. She is also the youngest recipient in history of the National Youth Award presented at the Indian Parliament. She is also the India Coordinator of the Neurodiversity Foundation and serves as a Research Fellow, becoming the youngest and only Indian selected for the role. Her work in science research will also be presented at an international conference at the Indian Institute of Science. In addition, Jeya secured AIR 1 in ATL Tinkerpreneur, won the CBSE National Science Exhibition, received the INSPIRE Awards MANAK, and has been recognized through multiple national and international competitions for her contributions to STEM, entrepreneurship, and youth-led innovation.

Thank you
Jeya Malhotra



EMPOWERING YOUNG CHANGEMAKERS SINCE 2021

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Meghana Doddipalle strongly believes that children are not just the future, but also the present. She believes their curiosity fuels innovation, their creativity drives solutions, and their courage to challenge the status quo inspires change. Through her work, she advocates for young people to play a greater role in transforming the world.

Her journey began in 2021 during the COVID-19 lockdown, when, as an 11-year-old, she signed up for **Tinkerpreneur** out of curiosity. What initially began as a productive way to spend time soon became a turning point that introduced her to entrepreneurship, innovation, and changemaking.

During the bootcamp, Meghana built her first product, **Swara Saathi**, a remote practice app designed to help Carnatic music learners continue their singing practice even when their guru is unavailable. The project was recognized among the **Top 100 entries in Tinkerpreneur 2021**, marking her first step into product development and problem-solving.

Soon after, she became one of the **co-founding members of Tinker Champs**. What started as a small group of student innovators with a shared vision gradually evolved into a platform empowering thousands of students with innovation, entrepreneurship, and leadership opportunities. Tinker Champs became a defining part of Meghana's journey, introducing her to peer learning, collaboration, and leadership while helping her take her ideas and projects from her laptop to nationwide platforms.

Over the years, Meghana has contributed extensively to Tinker Champs initiatives, including **Maker Faires, ATL Tinkerpreneur Bootcamps, ATL Marathon workshops, digital skill-ing bootcamps, product design workshops, and the Tinker Champs monthly newsletter**. Her role evolved from student participant to mentor, content creator, session facilitator, and contributor to official bootcamp brochures, promotional materials, and mentoring sessions. Through these initiatives, her work has contributed to impacting over **75,000 students**.

As her journey progressed, Meghana developed a growing interest in using innovation to solve real-world challenges. Her projects include **SWEL (Salt Water to Electricity Bulbs)** for remote coastal communities, recognized among the **Top 10 teams in Karnataka in ATL Marathon 2021-22**, and **TRAIL (Tourist Resource Allocation and Information Limited)**, an app

designed to address overtourism through sustainable visitor management, which ranked among the **Top 10 teams nationally** in the **CBSE Sustainability Accelerator Programme**, supported by **Aditya Birla Fashion and Retail**.

She also co-founded **BizBox**, a social entrepreneurial venture aimed at introducing entrepreneurship to school students through a hands-on learning kit containing resources on business development, branding, marketing, and finance. Pilot workshops conducted across schools in Bangalore transformed over **128 students** into budding entrepreneurs, making entrepreneurship more practical and accessible to young learners.

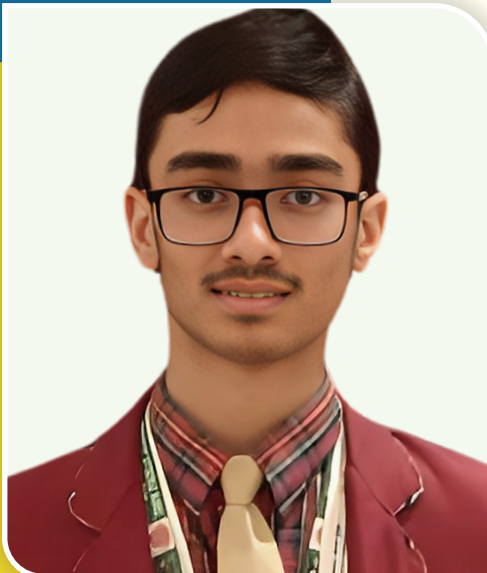
Beyond innovation projects, Meghana is deeply passionate about sustainability and youth leadership. She established a sustainability club at her school and has led initiatives such as recycling drives, art-from-waste projects, reducing paper usage, and an e-waste collection drive that gathered **35 kilograms of electronic waste** for responsible recycling. She also organized **Green Renaissance**, an initiative focused on nurturing green skills and sustainability careers, which received **₹15,000 in seed funding** through the **Inventure Changemaker Challenge 2024**.

Her journey has led to opportunities beyond the ATL ecosystem, including delivering a **TEDx Talk** titled Empowering Young Changemakers: Why the World Can't Wait, making her one of India's youngest TEDx speakers. She was also featured on the podcast Big on Small TaWlk – Butterfly Effect, where she discussed sustainable tourism and her eco-travel innovation.

In 2025, Meghana was recognized by **Bower School's 18 Under 18** as one of India's youngest entrepreneurs. In January 2026, she was featured in **Our Bangalore Weekly** under Teen Talent Takes Charge.

Meghana credits much of her growth to the support of mentors, teachers, and fellow Tinker Champs. Their encouragement, insights, and collaborative spirit helped her refine her ideas, navigate challenges, and gradually find her own voice as a young leader and innovator.

As she looks ahead, Meghana aspires to continue transforming ideas into impact, building meaningful solutions, and inspiring more young people to believe in their ability to create change.



INNOVATION, LEADERSHIP & ENTREPRENEURSHIP

NITISH GARG

Tinker Champ | Young Innovator
Changemaker | Student Mentor
Entrepreneur



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Nitish Garg, a student of M.L. Khanna DAV Public School, Dwarka, New Delhi, is a passionate young innovator, entrepreneur, and changemaker who believes that innovation and technology should create meaningful real-world impact. His journey in the Atal Innovation Mission ecosystem began during his early ATL years. Over time, it evolved into a nationwide mission driven by innovation, leadership, mentoring, and entrepreneurship.

His projects, including **Rudri Divinity** — an AI-driven platform that helps users learn Sanskrit mantras with accurate pronunciation; **Vidyut Way** — a smart multipurpose road system addressing air quality, sustainable energy generation, and transportation challenges; and **Terra Drishti** — an AI-enabled farming assistant designed for marginal farmers, along with several other innovative solutions, helped him secure recognition among the Top 100 teams nationally in ATL Tinkerpreneur for three consecutive years from 2023 to 2025.

Nitish has conducted several online and offline upskilling sessions, impacting over 40,000 - 50,000 students through Digital Skilling Workshops, Changemaking Bootcamps, Environmental conservation drives and “Handhold Me” sessions

organized in collaboration with fellow Tinker Champs under the guidance of mentors Shri Kiran Kumar Sir and Phaneendra Sir during Change Makers’ Winter Camp, ATL Tinkerpreneur 2024 and 2025. Through these efforts, he has contributed towards building a culture of changemaking within his community, developing a hub and spoke mechanism.

Over the past three years, his journey has further expanded through recognitions and national-level platforms including the National Young Changemakers’ Award 2025, Bower Top 18 Under 18 recognition, RaiNovation 2025 by AIIF, and several other achievements. His projects were also selected for showcase opportunities at national platforms including 1M1B Project Showcases, the IBM AI @2047 Summit, and the AI India Impact Summit 2026 at Bharat Mandapam, where innovations were presented before dignitaries, global leaders, policymakers, and industry experts.

In the future, Nitish aspires to build impactful innovations and scalable youth-led initiatives that combine technology, entrepreneurship, sustainability, and changemaking. Through his continued work with students, communities, and innovation ecosystems, he hopes to inspire more young minds to become creators, innovators, and contributors towards the vision of Viksit Bharat 2047.





YOUNG INNOVATOR TRANSFORMING LEARNING THROUGH AI

RAJIBUL HOSSAIN

Tinker Champ | Young Innovator
Developer | Changemaker

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Rajibul Hossain, a student at **Army Public School Kolkata**, is a passionate young innovator dedicated to building technology that is empathetic, secure, and capable of solving real-world challenges. His innovation journey gained national recognition through **Gradians AI** — an interactive AI-powered learning ecosystem designed to reduce academic stress through automated notebook evaluation, handwriting analysis, cinematic flowcharts, and simplified learning resources.

Built with the vision of making education more intuitive and accessible, Gradians AI was recognized as a **Top 3 National Winner** at the **Youth Ideathon 2024** and received a grant of **₹1,00,000**. Following a consistent three-year winning streak across IIT Delhi innovation programs, Rajibul was inducted into the prestigious **Tinker Champs** community in 2024 for his resilience, creativity, and changemaking mindset.

His contributions to innovation and academic excellence earned him the **Indian Army AWWA Student Excellence Award**, along with a special felicitation by the **Director of Army Welfare Education Society for his outstanding contribution in the field of Artificial Intelligence within the Eastern Zone**. Rajibul was also featured on **All India Radio during the Children's Day 2024 special broadcast**, where his journey inspired young innovators across the country. Through mentorship programs, workshops, and innovation initiatives, he has positively impacted and inspired more than **1,000+** students across India.

Guided by mentors including **Kiran Kumar Sir, Phaneendra Sir** and **Raja Sekhar Sir** and his school mentor **Mrs. Anindita Datta**, Rajibul actively contributed to mentoring sessions,

technical refinement initiatives, and collaborative innovation programs alongside fellow Tinker Champs across India during **Tinkerpreneur 2025**. He secured 7th position nationally in the **Change Maker's Winter Camp 2023**. As a student mentor during his school's **Samsung Solve for Tomorrow** workshop, he mentored over 500+ students while also supporting teams participating in the **Intel AI Impact Festival**.

Expanding beyond education technology, Rajibul developed **Hamara Labs** — a cinematic digital management portal designed to streamline operations for Atal Tinkering Labs across India. Supported through Hack Club, the initiative gained international recognition and earned him Hack Club event sponsorship opportunities that further supported peer learning and innovation initiatives.

Rajibul also demonstrated exceptional entrepreneurial resilience at the **Smart Bengal Hackathon 2024**, where he independently competed and secured 6th position statewide. Alongside this, he continued building community-focused solutions including **Botani Talk**, an IoT-based plant interaction system, and **Nourishme.ai**, which received a **₹50,000** grant through the **U-18 Launchpad by ThinkStartup**.

Currently, Rajibul is focused on privacy-first and system-level AI development. He is building a **local AI-powered File System using C++** and Rust, designed to operate securely through Ollama without internet dependency. With plans to launch future products on the Microsoft Store, Rajibul aspires to contribute toward the vision of **Viksit Bharat 2047** by creating secure, impactful, and scalable technologies while mentoring the next generation of young innovators in deep tech.



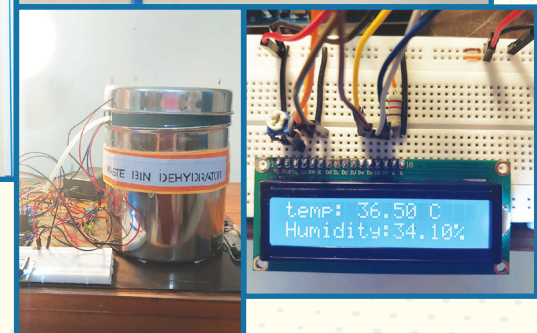
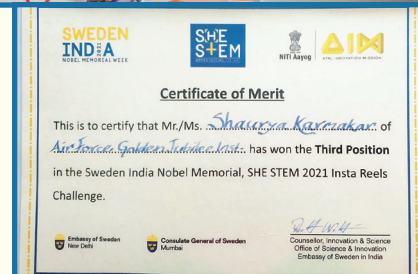
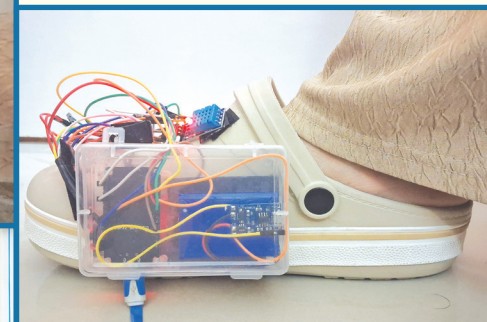
CREATING IMPACT THROUGH INNOVATION & ENTREPRENEURSHIP

SHAURYA KARMAKAR

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Shaurya Karmakar's journey with innovation began in Class 7 through ATL Tinkerpreneur 2020. During the program, he collaborated with a student from Air Force School, Hebbal, to develop My Eventi, an AR-based e-invitation idea. As co-founder of the project, he became part of a Top 100 ATL Tinkerpreneur team, where he learned the importance of innovation, teamwork, and problem-solving.

In 2021, he secured Third Position in the Sweden India Nobel Memorial SHE STEM Insta Reels Challenge organized under Atal Innovation Mission, NITI Aayog. Through various ATL activities, he explored entrepreneurship, robotics, Arduino programming, and hands-on innovation.

One of his major ATL-linked projects was a Waste Bin Dehydrator developed during ATL Marathon 2022–23. The project aimed to reduce moisture, foul smell, and waste volume from organic waste at the source, promoting cleaner and more sustainable waste management. This experience later inspired Neurosole, an initiative focused on practical

cal waste-management solutions, which received a \$4000 grant from Emergent Ventures.

Shaurya also worked on projects such as a Smart Dustbin, Traffic Light Controller, Object Recognition Device, Smart Irrigation System, and robotics-based solutions. These experiences strengthened his technical skills and encouraged him to keep improving through feedback and experimentation.

In 2023, he was inducted into the Tinker Champs community by Kiran Sir. Over the following years, he mentored students across India during the Tinkerpreneur Boot Camp under Atal Innovation Mission, NITI Aayog, helping them understand the Business Model Canvas and develop innovative ideas into viable ventures.

As he completes Class 12, Shaurya considers ATL one of the most meaningful parts of his school journey. The experience taught him discipline, teamwork, creativity, and the confidence to continue building practical solutions for real-world problems.





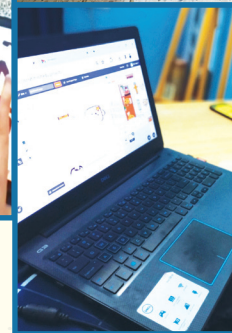
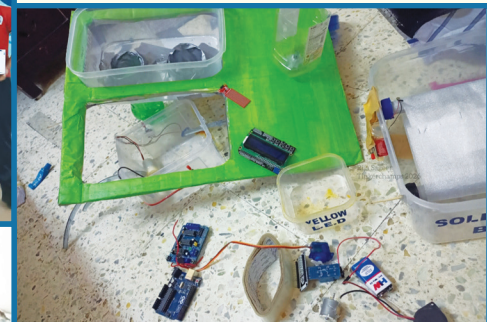
CREATING CHANGE THROUGH TECHNOLOGY AND COMPASSION

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Champs*



Rija Sageer is an 11th grader from AFS Manauri, Prayagraj, Uttar Pradesh. She's passionate about innovation, coding and creating social impact through her ATL initiatives. The first time she stepped into an ATL lab was in 7th grade, and that's where her journey started.

She took part in the first ever tinkerprenuer which was conducted in 2022, at AFS Hebbal. Her first innovation being, "The third eye", a tool for aiding blind people. She won with her prototype and got a small ATL in a box that would fuel her curiosity for years to come.

In ATL marathon 2023-24, Rija, along with her friend created "zobo", a game aimed at helping autistic children. Her friend's mother worked at Umeed Asha Kiran, a school for children with special needs. Making them feel seen was the main inspiration behind the project.

It was her first time taking part in such a huge contest but the duo pulled through and placed 108th in the top 500 teams!

In March 2024, she conducted a digital skilling workshop for the children of her school before "family fusion fiesta" in AFSH, impacting around 30-40 students. During the same event, she created a project for water conservation and

surprisingly the judge for that contest was Kiran Kumar sir! This is when she was inducted into the tinkerschamps for her strong leadership skills and passion for change-making.

This induction was followed by an invitation to conduct a digital skilling session on python programming for tinkerprenuer 2024. Through this she was able to impact thousands of children across the nation. She contributed to a promotional video for tinkerprenuer registrations and fixed an outdated code on the digital skilling portal. These experiences helped her learn how to manage large scale initiatives gracefully.

Rija credits her former Principal Mrs. Renu Singh, her teachers Leelambika ma'am and vidhya ma'am from AFSH who sowed the seed of innovation and encouraged her to take the first step, which introduced her to the guidance of amazing mentors such as Kiran sir and Paneendra sir.

For her, innovation is not just about building prototypes, but about creating meaningful impact and contributing toward a brighter future for the nation's youth. And by being a Tinkerchamp, Rija was given the voice to inspire more young minds like hers, to create solutions that truly matter.





CREATING IMPACT THROUGH LEARNING AND LEADERSHIP

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*Tinker
Champs*



Innovation should not stay limited to labs and competitions, but should reach classrooms, communities, and everyday life.” ~ This belief has become the driving force behind the journey of Shlok Chauhan from St. Kabir School. Passionate about problem-solving, strategic thinking, and meaningful communication, he enjoys understanding real challenges and solving them through collaboration and shared ideas. Over the years, his journey through hands-on learning experience has helped him explore robotics, AI tools, environmental projects, and community-driven initiatives as tools to create meaningful change.

One of the projects closest to him is MindWell Hub, a student-focused mental wellbeing platform designed to better understand challenges faced by teenagers today. Along with his team, Shlok conducted surveys and interacted with students to gather real feedback and improve the platform based on actual experiences. Alongside MindWell Hub, he has also worked on GPS-based digital Tree Mapping initiatives focused on environmental awareness and “Anveshak”, an autonomous robot exploring how smart navigation systems can support safer and more efficient movement in real-world environments. These projects later earned recognition through platforms such as Innovate 4 Impact, Tinkerpreneur, BigBang Finale, and Robofest 5.0. His efforts were also appreciated through recognitions such as the WAAH Award.

Shlok’s consistent focus on peer learning, leadership, and changemaking became an important part of his journey as a Tinker Champ. More than just a community, he found Tinker Champs to be a family connected by ideas and the

shared goal of creating positive change. Guidance from mentors, teachers, fellow innovators, and constant support from his parents further helped him strengthen his communication, leadership, and teamwork skills while encouraging him to continue helping others grow alongside him. As part of his contributions, Shlok conducted masterclasses during India AI Tinkerpreneur 2025, helping students refine and strengthen their ideas during the competition, while also creating AI tool tutorials to make learning more approachable for students. He further contributed to the English Mega Tinkering Day handbook and supported its translation into Gujarati and Marathi to make learning resources accessible to students from different parts of the country. Through workshops, he has also introduced students to robotics, Scratch, HTML, presentations, spreadsheets, and creative problem-solving through practical and engaging learning experiences.

Beyond projects and competitions, Shlok is deeply passionate about mentoring and community impact. Students from different age groups often feel comfortable interacting with him because of his approachable teaching style and his ability to explain complex concepts in simple and practical ways. Through his journey, he has inspired many students in his community to explore innovation with greater confidence, curiosity, and creativity. Looking ahead, Shlok hopes to continue building solutions that make learning, wellbeing, and creative learning more accessible while encouraging more young minds to become changemakers in their own communities. Through his journey, he aspires to inspire students to innovate, collaborate, and contribute towards the vision of Viksit Bharat 2047.



LEADING WITH CREATIVITY, GROWING THROUGH COLLABORATION

S. YOGYA VARSHINI

Tinker Champ | Young Innovator
Creative Changemaker

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S. Yogya Varshini, a student of Nagarjuna Model School, Kadapa, Andhra Pradesh, is a passionate young innovator who believes that creativity and innovation can inspire meaningful change. With a strong interest in design, storytelling, and peer learning, she has actively participated in several national-level innovation and entrepreneurship programs that encouraged problem-solving, collaboration, and leadership.

Her innovation journey began through the Dell Technologies Innovation Challenge, where her team was selected among the Top 30 teams and later among the Top 10 teams in Bengaluru. This experience introduced her to innovation, teamwork, and entrepreneurial thinking, motivating her to explore more opportunities in changemaking and student-led innovation.

Recognising her creativity, leadership, and active participation, Yogya was inducted into the prestigious Tinker Champs community. Becoming a Tinker Champ opened opportunities for collaboration, mentoring, and contributing towards innovation initiatives alongside students from across the country.

Following her induction, Yogya actively contributed to Tinker-Preneur initiatives by conducting HandHoldMe sessions, creating a registration tutoring video, and designing a marketing video to support participating students. Through these contributions, she helped simplify processes for students and

encouraged greater participation in innovation programs.

Her journey further expanded through programs like Jigyasa AeroFest, Youth Ideathon, BizBox, School Innovation Marathon, and the Dassault Systèmes “Seed the Future Entrepreneur” Program. At AeroFest in Bengaluru, her team was selected among the Top 20 teams across India and secured 1st place in the Pitch Deck Presentation. Through the Dassault challenge, her team achieved recognition among the Top 100 teams across India in 2023 and later among the Top 30 teams in 2024, reflecting her consistent growth and dedication towards innovation.

Alongside innovation programs, Yogya actively contributed towards peer learning and creative student engagement within her school. She mentored Tech Club students, contributed to the Mega Club Quest Event, and designed creative educational resources including two comic books — The Cup That Waited and Neha: The Young Changemaker. She also designed an eBook, annual day videos, and several digital creatives that supported storytelling, creativity, and student participation.

Recognised as both a Student Mentor and Tinker Champ, Yogya believes innovation is not just about competitions, but about learning, collaborating, and creating positive impact. In the future, she aspires to continue mentoring students, explore innovative ideas, and use creativity and technology to inspire meaningful change in society.





MAKING LEARNING ACCESSIBLE THROUGH TECHNOLOGY

AARUSH SAHAI

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Aarush Sahai, a student of Harvest International School, Bengaluru, Karnataka, is a young digital creator and innovation enthusiast who believes that technology can make learning more engaging and accessible.

His journey started with the ATL Tinkerpreneur Bootcamp 2021 where he learned to create many digital products. As a participant of the ATL Product Challenge, he built an ATL website for his school to help students learn tinkering and innovation. During this project, he was mentored by Kiran Kumar Sir who later inducted him into the Tinker Champs group.

During the ATL Tinkerpreneur Bootcamp 2022, he built an online library, “Jingle Bells” - a platform designed to help book lovers exchange their pre-read books for new ones for free. The project solved the problem of limited access to books while also encouraging reuse and sharing of books instead of wasting them after one use. The platform also included a Knowledge Hub containing e-books, tutorials, and a discussion forum. Through this project, students benefited by getting access to more books and a collaborative learning platform. The project was selected among the

Top 100 projects nationwide to be a part of the prestigious Atal Catalyst Program conducted by ISB.

Under the guidance of Kiran Sir and Phaneendra Sir, Aarush was part of the organising and marketing team for the Tinker Champs-led Maker Fair, contributing through digital campaign design and event promotion to increase student engagement. As a Tinker Champ, he conducted a demo on “How to Create a Website” during Maker Fair 1.0 and a session on “Creativity Process” during Maker Fair 2.0, inspiring thousands of students.

He also mentored the students at Nagarjuna Model School, Kadapa on Social Media Engagement. His web portal, “ATL Marathon 2021 Guide”, centralised the resources, training and information for the participants.

With the support and guidance of mentors and fellow Tinker Champs, Aarush improved his technical and creative skills and learned the importance of teamwork and collaboration. In the future, Aarush wants to continue working on creative digital projects, help more students learn new skills, and contribute towards building a stronger innovation culture among young people.





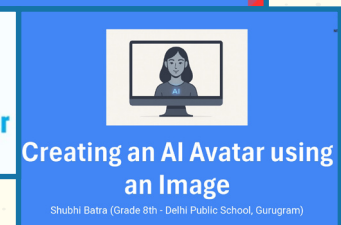
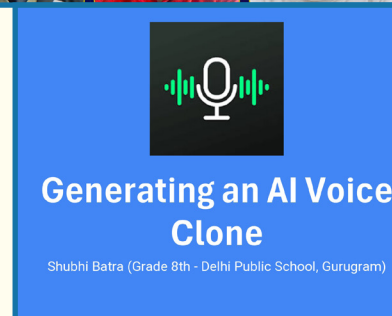
MAKING LEARNING SIMPLER, SMARTER, AND ACCESSIBLE

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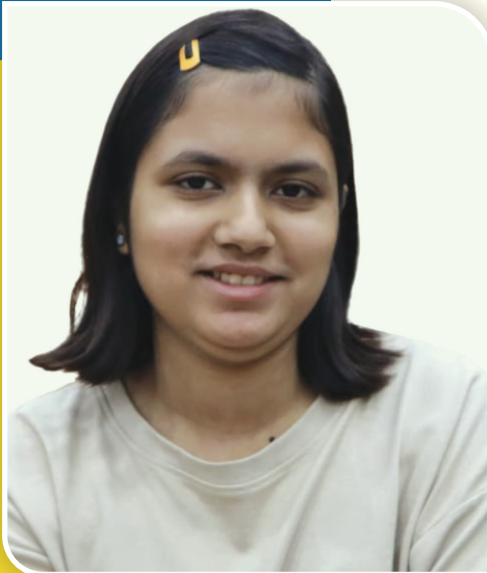
Shubhi Batra is a young innovator interested in using creativity and technology to make learning easier and more engaging for students. Her innovation journey took shape through Learning Corner, an educational online platform designed to simplify learning through student-friendly resources and interactive content. For example, a student struggling with a science chapter can use simplified notes, creative explanations, and easy revision material on Learning Corner to understand the topic more comfortably.

Through the ATL ecosystem and the TinkerPreneur journey, Shubhi explored entrepreneurship, teamwork, and problem-solving while continuously improving her platform through mentorship, collaboration, and feedback. Her project, Learning Corner, was recognized among the Top 100 innovations in the ATL TinkerPreneur program.

As part of the TinkerChamp ecosystem, and with the guidance of Kiran Sir alongside fellow Tinker Champs from across the country, Shubhi participated in peer-learning initiatives, entrepreneurship masterclasses, innovation discussions, and collaborative activities with student innovators from different parts of India. She also contributed through HandHold Me sessions, where students exchanged ideas and learned from one another's innovation journeys and experiences.

Within her school community and ATL team, Shubhi continues to encourage creativity, collaboration, and student-led innovation. Through Learning Corner and her participation in ATL initiatives, she hopes to continue creating meaningful learning experiences for students while encouraging more young minds to explore innovation and entrepreneurship.



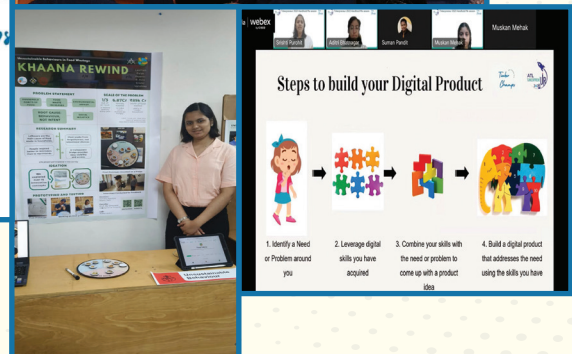
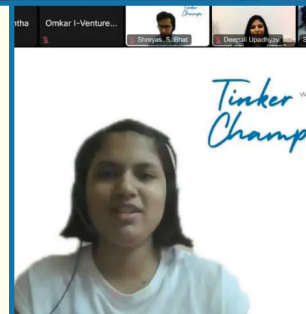


EMPOWERING COMMUNITIES THROUGH INNOVATION

SRISHTI PUROHIT

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Changemaker | Student Mentor

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Srishti Purohit, a recent Class 12 graduate from Adarsh Public School, Vikaspuri, New Delhi, is a builder, storyteller, and changemaker who has spent the better part of her teenage years turning curiosity into platforms, and platforms into impact. Her journey began in her school's Atal Tinkering Lab in Class 7, during the pandemic, when her ATL in-charge introduced her to a small group of students who were building things online when the world had shut down. Srishti joined them and never looked back.

Her earliest project was a quiz-based learning app with a conversational chatbot, built to make mathematics less intimidating and more engaging for students who dreaded the subject. It was selected among the Top 100 entries in the AWS Young Builders Challenge, and it set the tone for everything that followed: build for people, build for impact.

At fourteen, she co-founded **Aryavart**, a digital platform dedicated to making Indian heritage and cultural storytelling engaging and accessible for young people. It was selected among the Top 100 teams nationwide at ATL Tinkerpreneur 2022. The following year, she returned with **Happy Vibes**, a student wellbeing initiative that earned another Top 100 recognition at ATL Tinkerpreneur 2023.

For Srishti, innovation gradually became less about competitions and more about building platforms that could make knowledge, culture, and support systems more accessible to young people.

In May 2023, Srishti was inducted into the Tinker Champs group, recognised for her innovation mindset, her builder's instinct, and the kind of quiet, consistent leadership that the ATL ecosystem is built on. The induction marked the beginning of a chapter defined not just by what she was building, but by how much she was giving back.

As a Tinker Champ, her contributions have grown steadily each year. In 2023, she conducted a HandHold Me session on Building and Refining a Product, sharing the lessons she had learned through **Aryavart** with student innovators nationwide.

In 2024, she spoke at the launch session of Tinkerpreneur 2024, created the official Registration Handbook that guided thousands of students through the bootcamp, and produced guide videos to help first-time participants navigate the competition. She also conducted a HandHold Me session on Integrating Digital

Skills to Create a Full-Fledged Product.

In 2025, she delivered an Entrepreneurship Masterclass on AIM's official YouTube channel and created vernacular handbooks, learning materials, and social media creatives for the Tinkerpreneur Bootcamp and Mega Tinkering Day 2025. Her creative direction contributed to an event that brought together over **4,73,000 students** across India in a single day. Her sustained contributions across all three years were recognised with Letters of Recommendation from top AIM leadership. Cumulatively, her work as a Tinker Champ has impacted over **80,000 students** nationwide.

Her innovation journey continued to grow alongside her Tinker Champs work. In 2025, she developed **Khaana Clock**, a food waste management solution built at IIT Delhi's Makerspace. The project was featured in an official IIT Delhi press release and appreciated by the Director and senior Deans of the institution.

Her most significant innovation, **EnerVision**, is an AI-powered platform built to support people living with Chronic Fatigue Syndrome, a condition that affects millions yet remains widely underdiagnosed. The platform enables users to log symptoms, receive personalised recommendations, and access reliable support through an AI chatbot and resource library. It earned a spot in the Top 50 at India AI Tinkerpreneur 2025, out of thousands of participants nationwide, and earned her an invitation to speak on the panel "**Her First Algorithm, India's Next Breakthrough**" at the **India AI Impact Summit** at Sushma Swaraj Bhawan, Chanakyaपुरी, as one of only three girls selected from across India.

Her participation was featured by the Press Information Bureau, AIM's official social media handles, and IANS TV, bringing her work to a national audience.

Her broader contributions as a changemaker also earned her a nomination for the **International Children's Peace Prize 2025** by the KidsRights Foundation, one of the most prestigious global recognitions for young changemakers.

Looking ahead, Srishti hopes to build at the intersection of media, technology, and culture, creating platforms that amplify youth voices, preserve living traditions, and make knowledge more equitable and accessible. She intends to keep mentoring, building, and contributing to the ecosystem that first gave her the space to grow, in the spirit of Viksit Bharat 2047.

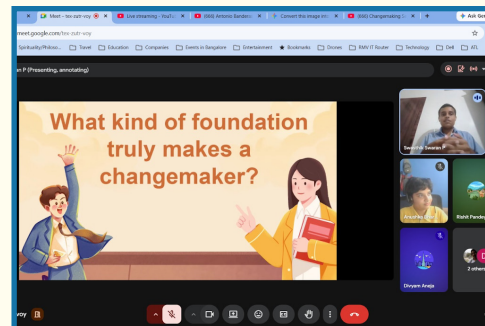


INSPIRING THE NEXT GENERATION OF CHANGEMAKERS

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Swasthik Swaran P is a Class 12 student from Shree Sarasswathi Vidhyaah Mandheer School, Coimbatore, Tamil Nadu, with a deep passion for innovation, entrepreneurship, and creating impactful learning solutions for students. His journey as an ATL student began in Grade 9, when he stood looking at the poster of ATL Tinkerpreneur 2023 with immense hope and enthusiasm. At that moment, he could hardly imagine that he too had the potential to become an entrepreneur and build his own venture. Registering for the program marked the beginning of his entrepreneurial journey and also introduced him to the inspiring initiatives of the Atal Innovation Mission.

Throughout the bootcamp, he received constant guidance and encouragement from his mentors, who supported him in launching his first venture, E-Sikna — a platform designed to transform high school education through AI-generated learning videos. The platform aimed to address the challenge students face in solving doubts instantly by using AI assistance and by providing precise concept-based videos instead of requiring students to go through an entire chapter to understand a single concept. Inspired by this experience, he continued developing new ideas and later worked on another venture with a similar vision, this time focusing on early childhood learning and young learners. Being selected among the Top 100 participants in both years became a strong source of motivation and encouraged him to continue innovating and learning.

The following year, he realised his desire to give back to the

student community by sharing the skills and experiences he had gained. This inspired him to join Tinker Champs under the guidance and support of Shubham Sir and Kiran Sir. Through this opportunity, he contributed to initiatives such as India AI Tinkerpreneur 2025 and Mega Tinkering Day. Working under the mentorship of Paneendra Sir and Kiran Sir exposed him to new experiences and provided countless opportunities for collaboration, learning, and personal growth.

Alongside several self-driven initiatives by Tinker Champs, the team also developed a self-learning platform called Tinker Champs Academy. Swasthik further had the opportunity to share his knowledge and experiences during the ATL Sarathi Sessions, where the focus was on innovation, leadership, and changemaking. In addition, he contributed to national-level presentation sessions involving mentors and RMOs from across India under the mission, “Learn from Each Other Across the Country.”

Looking back, his ATL journey has not only shaped him into a student innovator and entrepreneur but has also inspired him to contribute to a larger community of young changemakers across the nation.

In the future, Swasthik aspires to make meaningful use of the knowledge and experiences he has gained over the years to guide and inspire more students and youngsters to become future changemakers. He also hopes to grow into a successful entrepreneur with greater confidence, experience, and a stronger vision for creating impact in society.





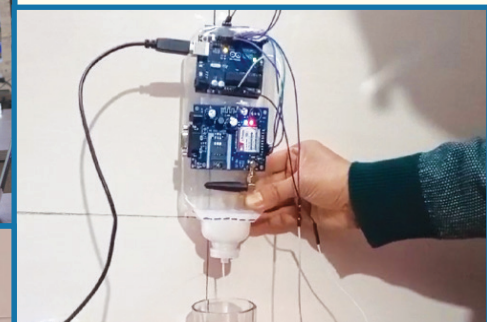
EMPOWERING CHANGE THROUGH ETHICAL INNOVATION

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WE THINK BIG
*Tinker
Champs*



Vidya Sharma, currently a Grade 11 student at Delhi Public School, RK Puram, began her journey into innovation during her middle school years through the ATL Lab at her previous school, Kulachi Hansraj Model School. Her early exposure to the ATL ecosystem transformed her curiosity into a passion for building socially impactful and ethical technology solutions. Through STEM projects, prototypes, hackathons, and innovation challenges, she discovered that innovation was not just about technology, but also about empathy, problem-solving, and creating meaningful impact.

Her experiences in the ATL ecosystem gave her the confidence to explore larger ideas and participate in national-level competitions, earning recognition such as “Best Presentation” at the Illuminate Hackathon and becoming a finalist at Young Scientist India. Beyond recognition, these experiences shaped her thinking. Illuminate Hackathon taught her the importance of presenting ideas with clarity and purpose, while Young Scientist India strengthened her belief that impactful solutions emerge when creativity is combined with persistence and real-world problem-solving.

A defining shift in Vidya’s journey came through the mentorship of Kiran Kumar Sir, who encouraged her to view innovation as a tool for community impact and knowledge-

sharing. Inspired by this vision, she launched **TinkerBuild**, a passion initiative aimed at making digital literacy and hands-on learning more accessible to students. Through workshops, mentorship sessions, and activities focused on design thinking, AI concepts, and problem-solving, TinkerBuild has impacted nearly 200 students and helped young learners build creativity, confidence, and future-ready skills.

Vidya’s journey further expanded after joining the prestigious TinkerChamps group, where she contributed to India AI TinkerPreneur 2025 by developing learning modules, conducting mentoring sessions, and serving as Student Lead for the Reels Department. As part of these initiatives, she was invited to NITI Aayog, where she presented her project, JurisTech, an initiative focused on reducing misinformation and improving access to trusted legal information through ethical AI solutions.

Deeply interested in AI ethics, Vidya believes technology should always be developed with responsibility, inclusivity, and humanity at its core. Through projects such as GlucoPreserve, DisasterGuard, and JurisTech, she hopes to continue building meaningful solutions, mentor young innovators, and create technology-driven impact aligned with the vision of Viksit Bharat 2047.





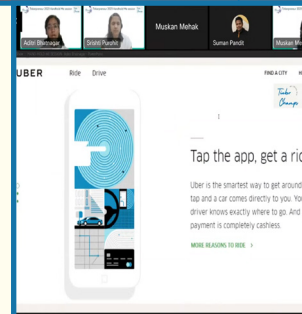
LEADING THE NEXT GENERATION OF CHANGEMAKERS

ADITRI BHATNAGAR

(XII, Amity International School, Saket, New Delhi)

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Change Maker

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Aditri Bhatnagar is a student from Delhi, studying in Amity International School, Saket with a deep passion for innovation, entrepreneurship, and creating solutions that positively impact society. Her journey with AIM began with curiosity and gradually evolved into a platform where she could learn, collaborate, and contribute as a young changemaker.

In 2021, during the first-ever Tinkerpreneur Bootcamp, she developed a collection of customised PowerPoint templates designed to help teachers simplify lesson preparation and make online learning more interactive during the COVID-19 pandemic. She created this solution after observing the challenges educators faced while adapting to digital classrooms. The project was recognised among the Top 100 innovations across India and strengthened her belief that even small ideas can create meaningful impact when designed for real community needs.

Later in 2021, Aditri was inducted into the TinkerChamps community due to her active participation in innovation programmes, collaborative initiatives, and peer-learning contributions. She also participated in the ATL Space Challenge and the ATL Product Challenge. Becoming a TinkerChamp gave her the opportunity not only to innovate and create but also to grow as a leader and mentor. Under the TinkerChamp community, she organised two Maker Faires alongside fellow TinkerChamps to encourage entrepreneurship among students and served as the Director of Maker Faire 2.0. She also helped in mentoring budding TinkerChamps, conduct-

ed webinars for ATL Marathon, and helped organising Tinkerpreneur 2024 and 2025 alongside AIM and many other TinkerChamps. Aditri also made an ATL website for her own school, called the “Innovation Hub” where students could ideate, create and solve problems along with their peers.

Through the guidance of AIM mentors, teachers, and fellow TinkerChamps, she developed skills in entrepreneurship, communication, teamwork, and problem-solving. Collaborating with students from different states during Maker Faires and ATL initiatives helped her understand the value of diverse ideas and collective innovation. As a TinkerChamp, she conducted multiple YouTube Live sessions on entrepreneurship, business pitching, marketing, and creative innovation, reaching over 14,000 students across India. She also mentored more than 2,000 students during the Tinkerpreneur 2024 “HandHoldMe” peer-learning sessions and contributed through BizBox entrepreneurial workshops, impacting nearly 100 students. These experiences taught her that innovation becomes more powerful when knowledge is shared with others. She remains deeply grateful to her mentors, Mr. Kiran Kumar and Phaneendra Sir, for guiding her throughout this journey.

In future, Aditri aspires to become a doctor and work in the field of biotechnology as well and continue building solutions that combine innovation with social impact. She also hopes to mentor more young students and contribute towards creating a stronger culture of innovation and problem-solving among youth across the country.





TRANSFORMING IDEAS INTO IMPACTFUL SOLUTIONS

SHAIK MUNIBA MUZMEEN

Tinker Champ | Change Maker
Innovator

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Shaik Muniba Muzmeen a student of Nagarjuna Model School, Kadapa, Andhra Pradesh is a young innovator who stoutly believes innovation can solve everyday problems and improve people's lives through practical solution. Her innovation gained national recognition through her project "Ripe Fruit Identifier" that helps consumers and vendors identify fruit quality accurately, reducing wastage and improving food safety was among the top 30 projects of the ATL Marathon 2021-22 and was also in top 10 projects of the She-Preneur internship at DELL Technologies, Bengaluru. Along with this, her innovation "Free Electricity Mobile Charger" which was designed to help people charge mobiles during emergencies or power outages gained national recognition by being in top 30 projects of the ATL Marathon 2023-24 and was also in the top 10 projects of the She-Preneur internship at DELL Technologies, Bengaluru.

With the guidance of Kiran Kumar sir and Phaneendra sir along with interacting with fellow Tinker Champs across India, Muniba became a part of Tinker Champ program in 2022. She soon got recognised nationally through student driven Tinker Champ Maker Faire sessions that aimed at developing 21st century skills. She has been a speaker of HandHold Me sessions during Tinkerpreneur 2023 guiding

students about Business Venture and also mentored students of government school.

Within the school site, Muniba along with her fellow mates have conducted digital skilling bootcamp for students and teachers which have impacted 80+ teachers and 200+ students. She has an active role in the BizBox entrepreneurial workshop, impacting nearly 100 students. She has been a part of Mega Tinkering Day in both the branches of her School, and also has been a part of the Student Led Training Program. Getting recognised as a Student Mentor in her school, she mentored many peer students of Tech club guiding them throughout their journey.

With a vision of practical knowledge and innovating, her project Ripe Fruit Identifier gained another renowned national recognition through Inspire Manak 2023-24.

Through failures, presentations and team work experience, she developed communication skills and problem-solving abilities. From a common student to a student mentor and Tinker Champ through a steep learning curve, she aspires to continue building practical innovations and inspire more students across the country to become changemakers.



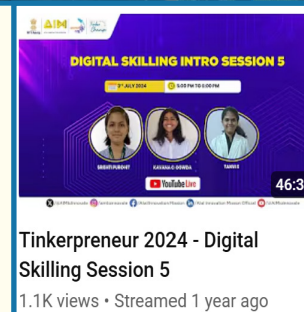


FROM ENVIRONMENTAL ADVOCATE TO INNOVATION LEADER

KAVANA C GOWDA

Student | Innovator | Tinker Champ

 kavanacgowda10@gmail.com



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Champs



Kavana C Gowda, a class 12 student studying at Vision institution in Bengaluru, Karnataka is a dedicated young innovator, who believes that technology and creativity are the keys to solving modern challenges. Her journey began with an environmental recognition platform designed to identify and preserve sanctuaries like Yellowstone National Park. The platform functions as an educational hub where users can track conservation efforts and learn actionable sustainability tips, effectively bridging the gap between ecological data and everyday habits. It is a website where people can learn, buy merchandise, and contribute to saving the environment. It has a personalized chatbot integrated into the site for the same. She started this initiative by running a campaign to make students plant more trees, and made sure that plastic is banned in her school. It was a small change, but it makes all the difference. By successfully spreading crucial awareness, her project has directly inspired individuals to adopt more sustainable lifestyles, creating a measurable shift in environmental consciousness within her community.

Shortly after participating in the Tinkerpreneur workshop in 2021, Kavana was inducted into the **Tinker Champs** network in recognition of her innovation mindset and commitment to impact-driven work. This connection to a na-

tional circle of mentors and like-minded leaders, including experts like Mr. Kiran Kumar, taught her to think “out of the box” and master essential 21st-century skills. This collaborative environment was a turning point, shaping her leadership journey and inspiring her to champion a culture of creativity among her peers.

Kavana is now a vital contributor to the innovation ecosystem, focusing on digital and entrepreneurial empowerment. She helped lead the **BizBox workshop**, a hands-on initiative that equipped **51 students** with the foundational skills to launch their own business ventures in a single day. Furthermore, she has contributed to major programs like Tinkerpreneur by conducting sessions on digital skill integration and managing web portals to ensure learning materials remain accessible to budding innovators nationwide.

Looking ahead, she is committed to leveraging this experience to create lasting, positive change. Her future vision is to empower underprivileged students by fostering an entrepreneurial mindset and providing them with the tools needed to succeed in an ever-changing world. For her, empowerment is more than a goal-it is the catalyst for a new generation of leaders who will redefine what is possible.





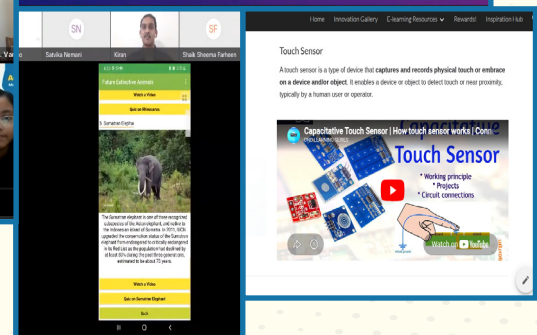
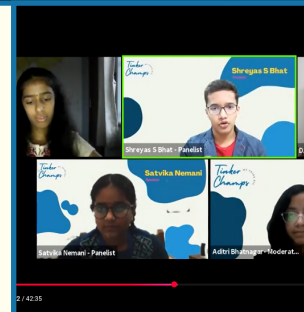
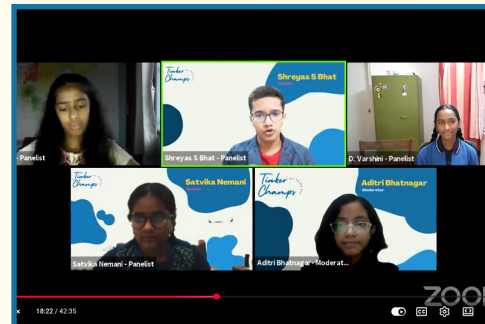
DRIVING IMPACT THROUGH ENTREPRENEURSHIP

SATVIKA NEMANI

Student | Innovator | Tinker Champ

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WE THINK BIG
Tinker Champs





Satvika Nemani is a driven changemaker from Telangana, currently completing her 12th standard at Excelencia with a passion for entrepreneurship and digital literacy. Satvika's trajectory as a young innovator gained significant momentum in 2021. After actively participating in the ATL Space Challenge and the ATL Product Challenge, she joined the Tinker Champs. During this period, she took the initiative to demystify the technical world for her peers by conducting digital workshops for her school to foster hands-on learning and developing "Tinkerers Zone," a dedicated website designed to equip students with foundational technical skills and provide a roadmap for the ATL Lab experience.

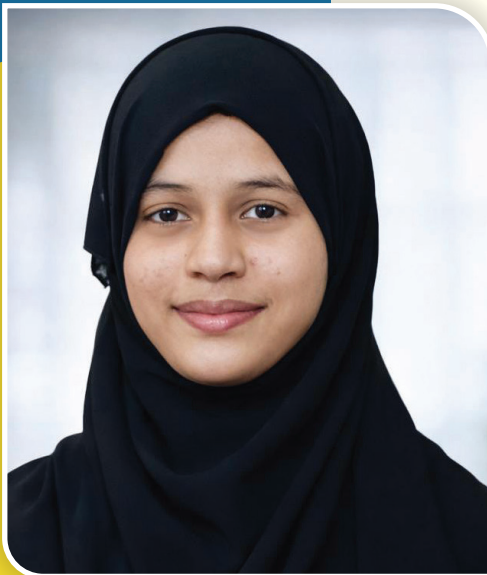
In 2022, she participated in the HandHold Me sessions during ATL Tinkerpreneur. There, she showcased an application focused on animal conservation and the prevention of species extinction, while also contributing to discussions on streamlining business operations.

Under the mentorship of Kiran Kumar and Phaeendra sir, Satvika helped transform late-night virtual brainstorming sessions into a nationwide Maker Faire. To date, her various initiatives as a Tinker Champ have reached and impacted approximately 9,500 people.

Most recently, for Tinkerpreneur 2024, Satvika worked with the Atal Innovation Mission (AIM) to create a series of comic strips. Her goal was to capture the essence of entrepreneurship through storytelling, translating intricate business topics into engaging narratives that resonate with a broad audience.

Currently, Satvika is shifting her focus toward the "why" behind social challenges. She is particularly committed to two core pillars for India's future being mental health advocacy and rural digital literacy. Still tinkering and ever-learning, Satvika continues to move forward, one step at a time, towards a better future.



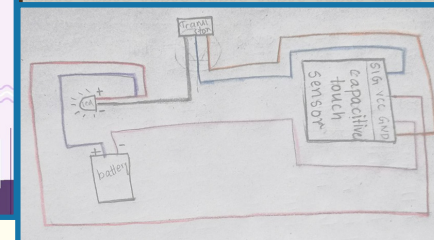
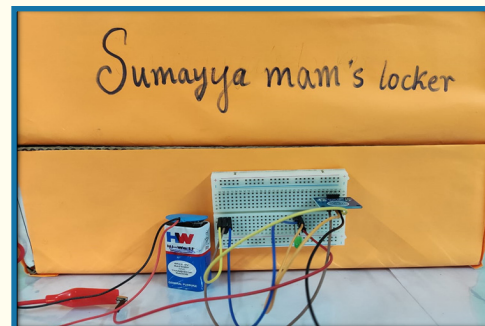


FROM BOOTCAMP PARTICIPANT TO TINKER CHAMP LEADER

SYED SADIYA

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Syed Sadiya, an intermediate student from Narayana College, Andhra Pradesh, is passionate about creativity, innovation, and solving community problems through technology. With this vision in mind, she developed her project, **“Fingerprint Locker for Teachers,”** exclusively designed for teachers who find it difficult to manage locker keys.

Teachers often rush to classes on time, and handling keys can become stressful as they may easily get misplaced. To solve this issue, Sadiya developed a fingerprint-based locker system using fingerprint authentication and IoT technology. The locker opens only with the authorized fingerprint of the owner, ensuring both safety and convenience. Her innovation has helped teachers become more tension-free and secure in managing their belongings.

Her project was recognized at the Inspire MANAK Awards, where she received a cash prize for her innovative idea.

Through her mentor, she has joined the Tinker Champs programme. Tinker Champ is a student-driven and mentor-assisted programme for ATL students that aims to develop 21st-century skills and leadership qualities among student-tinkerers. This platform truly helped her build confidence and improve her peer learning, communication, and leadership skills. She later started collaborating with other Tinker Champs and conducted sessions for the Tinkerpreneur Bootcamp. The most inspiring part of her journey is that she was once a participant in the bootcamp, and later, through the impact of Tinker Champs, she returned as a session conductor alongside her fellow Tinker Champs.

She credits her mentors, Phaneendra Sir and Kiran Sir, for continuously guiding and motivating her throughout her journey. Sadiya aims to continue innovating, collaborating, building impactful initiatives, and conducting workshops that inspire more students to become changemakers in their communities.





A JOURNEY OF INNOVATION, LEADERSHIP AND LEARNING

**VARSHINI
DINDUKURTI**

Tinker Champ | Product Innovator
Youth Mentor

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Varshini Dindukurti, a Computer Science and Engineering student at RV University, Bengaluru, Karnataka, is an inventive problem-solver. She is driven by a natural instinct to build things and make complex concepts intuitive.

Her innovation journey began at Kendriya Vidyalaya, Bengaluru. She joined the school's Atal Tinkering Lab (ATL) club in the eighth grade through the annual science and innovation fair. Intrigued by the process of turning raw ideas into functional realities, she jumped into an intensive ATL product development program under the direct mentorship of Kiran Kumar Sir. There, she mastered how to design a Minimum Viable Product (MVP). As a direct byproduct of this hands-on training, she built and launched educational web platforms. Created to simplify complex information and make digital resource-sharing seamless, these platforms solved real classroom bottlenecks. Her work created immediate collaborative impact within her school community.

Her design thinking, technical curiosity, and dedication to crafting practical tools led to her induction into the national Tinker Champs group. This milestone marked her transition from an eager learner into a student mentor. The opportunity allowed her to scale her passion for peer learning and leadership within a vibrant national community of fellow innovators.

Supported by her mentors and fellow Tinker Champs, Varshini focused on teaching younger students how to build practical products. As a core team member, she co-created BizBox—a hybrid entrepreneurship toolkit designed to teach the fundamentals of product design, marketing, and business strategy. To drive its adoption, she organized and led over 10 virtual training sessions, both solo and alongside her group. These sessions broke down the intimidation barrier of creating new things for thousands of digital attendees across India.

She then took this mission directly to the grassroots through high-impact offline experiential workshops. She traveled to multiple schools, including Air Force School Jalahalli, Air Force School Hebbal, and Nagarjuna Model School in Kadapa. Through these multi-school initiatives, she directly mentored young students, empowering them to take their ideas from the whiteboard to pitching confidently to real customers.

Currently expanding her technical horizons in college, Varshini aims to merge her engineering foundation with creative digital storytelling through initiatives like Whispers of the Web and interactive game mechanics. She aspires to create technology experiences that combine creativity, accessibility, and youth empowerment while inspiring more students to become confident innovators and changemakers.



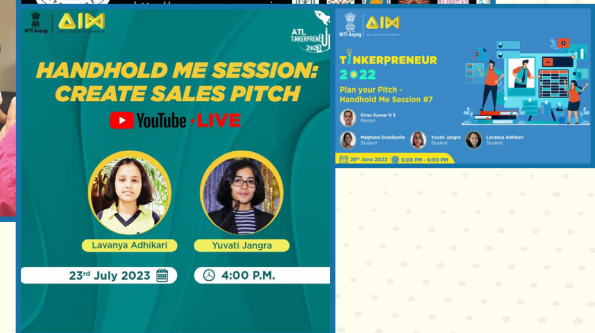
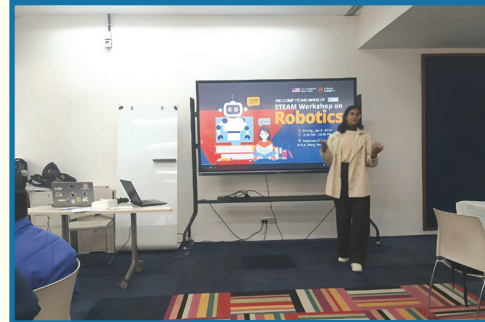


CREATING OPPORTUNITIES, INSPIRING GENERATIONS

YUVATI JANGRA

ATL Alumni | Young Innovator
Tinkerpreneur | Changemaker

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WE THINK BIG
Tinker Champs



Yuvati Jangra is a young innovator and changemaker whose growth began through the Atal Innovation Mission (AIM), NITI Aayog during her school years. As an ATL student, she discovered her interest in technology and app development through visual programming and hands-on learning experiences offered under ATL initiatives. What began as curiosity gradually evolved into a passion for entrepreneurship, problem-solving, and community impact.

Her entrepreneurial exposure deepened through AIM's flagship initiatives such as Tinkerpreneur and Atal Catalysts @ ISB. These programs introduced her to startup ecosystems, idea validation, pitching, business strategy, and product development. During this phase, she co-developed the startup initiative **S-Women**, focused on creating opportunities and support systems for women through technology, innovation, and entrepreneurship. The initiative evolved through mentorship, startup exposure, and collaborative learning experiences received during the programs.

Through her dedication and leadership mindset, Yuvati was selected among the Top 100 teams in Atal Tinkerpreneur and later advanced to the Top 10 teams in Atal Catalysts @ ISB. These experiences strengthened her confidence, communication abilities, and understanding of real-world challenges while shaping her perspective as a young entrepreneur.

As an active contributor to the AIM ecosystem, Yuvati participated in several mentoring and leadership initiatives. She led the HandHoldMe Session 2022 under AIM NITI Aayog, where she guided and inspired fellow students through peer-learning and interactive sessions. She fur-

ther contributed as a Mentor at Changemaker Summer Camp 2023, helping students build creativity, confidence, and problem-solving skills through collaborative activities and mentorship.

Alongside her work in innovation and entrepreneurship, Yuvati represented herself on multiple national and international platforms. Her achievements include being among the Top 30 at the Global Schoolpreneur Summit 2022 and being featured in Coolest Projects 2021 under Melissa Pickering's Mobile Category Pick. She also secured 3rd place in the Skill India Graphic Design Competition 2024 and won bronze medals in competitions such as the Simulation Challenge by IIC IILM and Shark Tank X IILM.

Beyond academics and technology, Yuvati has actively explored leadership, discipline, and sports. As an NCC Cadet and a Bronze medalist in the Boxing State Championship, she developed resilience, teamwork, and confidence that further strengthened her overall personality.

Through ATL and AIM, Yuvati evolved from a student learner into a mentor and changemaker who strongly believes in giving back to the community. As part of the ATL Alumni Network, she now aspires to mentor young innovators, conduct impactful sessions, support ATL initiatives, and inspire more students to explore entrepreneurship and emerging technologies.

She aims to continue building meaningful tech-driven solutions, expand initiatives like S-Women, and contribute towards empowering the next generation of innovators while supporting the vision of Viksit Bharat 2047.



CULTIVATING CHANGE THROUGH INNOVATION

**SREE RAKSHA
PRABAKARAN**

Change Driver | Tinker Champ

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Sree Raksha Prabakaran is a student at Christ University, Bengaluru. It is within the walls of her school, Air Force School Hebbal Bengaluru, where her journey as a changemaker truly began.

The ATL lab at school was where it all clicked for her that problems are not hindrances. They are just ideas waiting to happen. The curiosity around how one small change can create a massive impact became her driving force.

That belief took shape as UrbanGrow, an Automated Vertical Farming Kit designed to help urban families grow their own fruits and vegetables in limited spaces. The kit manages the entire growing process autonomously. It waters itself, regulates temperature, and delivers optimal light. UrbanGrow went on to be selected among the Top 40 School Innovations presented at the prestigious National Technology Week 2023 at Pragati Maidan, New Delhi.

Back in school, she and her peers pushed to take their learning beyond the lab. They launched a Digital Skilling Bootcamp reaching over 100 students, and organised an Entrepreneurship Workshop on ATL Community Day 2023, helping fellow students think like problem solvers and changemakers.

The real turning point, however, was becoming a Tinker Champ. With the mentorship of Mr. Kiran Kumar HS and Ms.

Leelambika S, whose guidance proved truly transformational, along with the steady support of Mr. Paneendra, she found the confidence to go beyond building projects and start building people.

As a Tinker Champ, she helped plan and conduct the BizBox Workshop across three different schools, reaching students who had never been exposed to entrepreneurial thinking before. She also had the opportunity to mentor budding changemakers, helping each of them find their own voice and launch initiatives of their own.

She facilitated Handhold Me sessions for TinkerPreneur 2023 and 2024 and contributed to building the content and resources for TinkerPreneur 2024, which collectively impacted 30,000+ students across the country, a number still remarkable to be a part of.

Looking ahead, her vision extends well beyond innovations and prototypes. She has already begun conducting Social Entrepreneurship Workshops for underprivileged students who had previously discontinued their studies and are now back on track.

She wants to keep creating meaningful change in the communities around her, with a focus on sustainability and self-reliance, because the most powerful solutions are the ones empowering people to stand on their own feet.





THE RIPPLE EFFECT OF “THINKING BIG”

**SHREYAS
SHREESHA BHAT**

Student | Innovator | Tinker Champ

 bhathanu@gmail.com



via webex

Tinkerpreneur 2024 - Business Finance Session

Atal Innovation Mission Official

Profit & Loss Statement

Particulars	Amount	Particulars	Amount
1. Sale of Products	Rs. 1000	2. Salaries & Wages	Rs. 1000
2. Cost of Materials	Rs. 500	3. Depreciation	Rs. 100
3. Interest on Loan	Rs. 100	4. Profit	Rs. 400
4. Profit	Rs. 400		
5. Dividend	Rs. 100		
6. Retention	Rs. 300		
7. Retention & Interest	Rs. 100		
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WE THINK BIG
*Tinker
Champs*



Shreyas Shreesha Bhat is a student at Ramaiah University of Applied Sciences, Bangalore. His journey began in high school, where a restlessness with “chalk and board” learning led him to start a YouTube channel for science experiments. He wanted to bridge the gap between theory and reality, driven by the belief that true learning happens through doing.

In 2021, the first ATL Tinkerpreneur event introduced him to his mentor, Mr. Kiran Kumar H S, who bridged his path to becoming a founding member of Tinker Champs. Here, they didn’t just share ideas; they built a community. Together, they coined their North Star tagline: “We Think Big.”

This belief birthed Biz Box, an all-in-one, hands-on solution for innovation and entrepreneurship. Recognizing that students lacked platforms for critical thinking and financial literacy, they launched workshops at Air Force Schools (Hebbal and Jalahalli) and NMS Kadapa. The impact was immediate: 150+ students gained the confidence to think like entrepreneurs, proving that the right tools ignite natural curiosity.

Innovation is a collective effort. His growth was mapped by mentors Mr. Kiran Kumar H S and Mr. Phaneendra J, alongside a dedicated peer team—Kavana, Sree Raksha, Meghana, Jayadith, Varshini, Jeya, and Aditri. Their support proved that when they have each other’s backs, the most complex ideas become achievable.

His focus shifted from building projects to empowering thousands. While he led “Handhold Me” sessions and Maker Faire discussions, his most significant chapter was managing and leading Tinker Champs through Tinkerpreneur 2024. This massive undertaking required months of constant effort in resource building and team management. By steering this ship, he has reached 15,000+ students nationwide and mentored hundreds of budding innovators, making innovation accessible on a national scale.

He aims to ignite an innovator’s mindset across the country, creating a nation of change-makers who see the world through a perspective of possibility. His vision is for the ripple effect of innovation to grow until every student has the confidence to “Think Big” and act even bigger.





BUILDING SOLUTIONS FOR A SUSTAINABLE FUTURE

**VARSHA
SHASHIDHAR
KORIMATH**

Student | Innovator | Tinker Champ

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WE THINK BIG
*Tinker
Champs*



Varsha Shashidhar Korimath is deeply passionate about leveraging technology to solve real-world crises. Through the ATL ecosystem, she developed two core IoT-based solutions. Her **Early Landslide Detection System** was selected for the **Atal Marathon**, aiming to save lives in disaster-prone areas. Additionally, her **Food Spoilage Detection System**, which tackles global food waste, earned recognition at the **National Level INSPIRE Awards - MANAK** competition.

As an active Tinker Champ, Varsha channels her technical expertise into grassroots mentorship through targeted initiatives:

- » **Rural STEM Outreach:** She conducted a hands-on electronics workshop for 14 rural students, introducing them to the world of coding and ATL labs.

- » **The Changemakers Workshop:** In an urban school, she led an eco-drive where participants crafted cloth and paper bags for street vendors, upcycled plastic waste, and planted trees.
- » **Community Welfare:** To foster inclusive growth, her team distributed art supplies to underprivileged children to inspire early creativity.

At the national level, She contributed to the **AIM Tinkerpreneur Bootcamp** by designing digital skilling curriculum decks used across the country. She also co-hosted a live national training session to equip peers with critical digital tools.

Moving forward, Varsha aims to bridge the gap between technical innovation and social leadership, proving that youth-led technology can build a safer, more sustainable world.



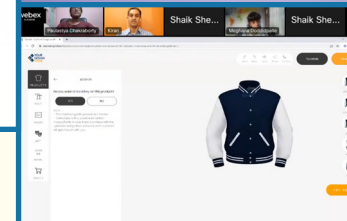
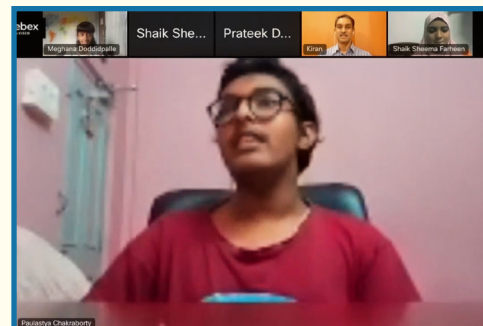


CONNECTING THE WORLD THROUGH TECHNOLOGY

PAULASTYA CHAKRABORTY

Tinker Champ | Young Innovator
Changemaker

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WE THINK BIG
*Tinker
Champs*



Paulastya Chakraborty, a student of Jalpaiguri Zilla School, West Bengal, is one of the many young innovators who envisions making global exploration accessible virtually for people unable to travel physically, 1000 of miles. His Tinkerpreneur journey started through “Traveho”— an augmented reality platform for the sole purpose of Travelling around the world, when physically doing so isn’t possible. During the upsetting period of 2020-2021 pandemic, Traveho was built to help people rejoice in the beauty of nature, appreciate the chronicles of architecture, to be knowledgeable about cultures, culinary arts and many more through 3D view of famous places, annotations, informative notes, pdfs and interactive quizzes, puzzles, following which Paulastya was first introduced to our famous RMoC Kiran Kumar Sir and later to prestigious Tinker Champs Group in 2021.

With the guidance of Kiran Kumar Sir and Phaneendra Sir, and through collaborations with fellow Tinker Champs across India, Paulastya actively contributed through men-

toring sessions, workshops, and innovation initiatives. As a speaker in the “Tinker Champ Maker Faire”, “Maker Faire 2.0”, “Maker Faire 3.0”, “HandHold Me” sessions during TinkerPreneur 2023 and 2024, along with contributions towards Mega Tinkering Day and other mentoring initiatives, he positively impacted nearly 30,000–60,000+ students across the country.

His journey further expanded through active participation in various fields like conducting and participating actively in a bootcamp in AirForce School, Jalahalli, mentoring school friends to build a gaming website, which ranked 7 in 2023 Tinkerpreneur Campaign, creating ATL website for active school tinkering purpose along with several others notable initiatives. In the future, as one of the early recognized Tinker Champs of India, Paulastya aspires to continue mentoring young innovators, leading impactful initiatives, and building technology-driven solutions that contribute towards a digitally empowered and “Viksit Bharat 2047”.





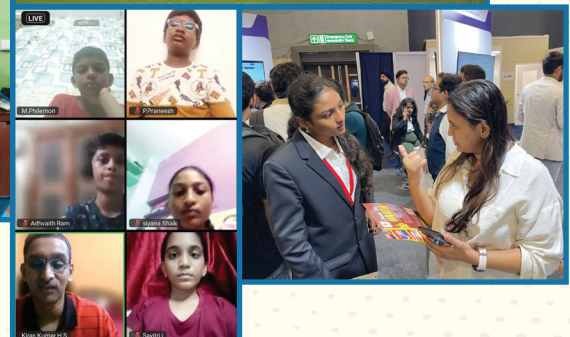
NURTURING THE NEXT GENERATION OF INNOVATORS

SHAIK SIYANA

Tinker Champ | Creative Innovator
Student Leader



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Champs*



Siyana, a student of Nagarjuna Model School, Kadapa, Andhra Pradesh, is a passionate young innovator who believes that creativity, technology, and collaboration can make learning more meaningful and impactful. With a strong interest in innovation, storytelling, and peer learning, she has actively worked towards helping students explore new ideas and grow as changemakers.

Her innovation journey gained recognition through Ghar Se Yatra, a project designed to help people experience tourism virtually from their homes in an engaging and accessible way. The project was selected among the Top 100 teams nationwide in TinkerPreneur 2024. Continuing her journey, Siyana and her team later developed VibroBand, which was selected among the Top 10 teams in the prestigious Dassault Systèmes program in 2024. In 2025, she further participated in AI TinkerPreneur with the project Desh Ke Haath, where her team emerged as one of the top teams nationally and received the opportunity to showcase their idea in Delhi and interact with the Prime Minister of India, Narendra Modi.

Recognizing her active contributions towards innovation and leadership, Siyana was inducted into the Tinker Champs community in 2025 and was also selected as the ATL Ambassador of her school. Through these opportunities, she collaborated with students across India, contrib-

uted to learning initiatives, and inspired more young minds to innovate with purpose.

Guided by Kiran Sir and Phaneendra Sir, Siyana strengthened her leadership, communication, and problem-solving abilities while gaining exposure to larger innovation ecosystems and real-world impact creation.

As a contributor and mentor, Siyana conducted the SkillUp21 workshop in 2024 for students in her school, introducing them to creativity, communication, and important 21st-century skills. She also supported several students in their innovation journeys and actively contributed to Mega Tinkering Day 2025 through brochure designing and awareness initiatives. Alongside innovation activities, she authored two handbooks, created four comic books, and contributed to newsletters promoting student creativity and peer learning. Through workshops, mentoring, and collaborative initiatives, her contributions positively impacted nearly 300–500 students within her school and innovation community.

In the future, Siyana aspires to build youth-led innovation platforms that encourage students to transform ideas into meaningful solutions for society. Through her journey, she hopes to inspire more young minds to explore creativity, entrepreneurship, and technology with confidence while contributing towards an innovative and future-ready India.



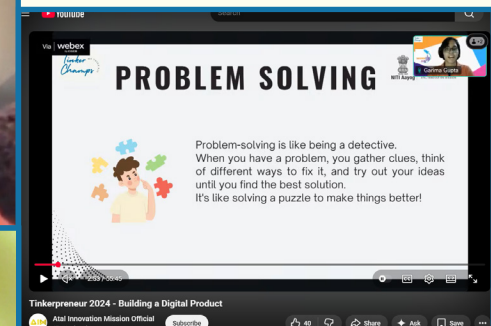
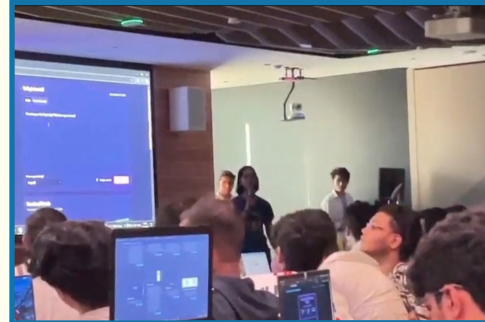


DESIGNING INTELLIGENT SOLUTIONS FOR REAL LIVES

GARIMA GUPTA

Tinker Champ | Innovator Changemaker

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Garima Gupta, a student of Kendriya Vidyalaya SPG Dwarka, New Delhi, is a passionate young innovator who believes that technology and specifically AI should be used as a tool to solve societal problems and empower other students to become “Changemakers.” Her innovation journey gained national recognition through her product **ArogyaX** — a personalised health based platform designed to make personalised diet plans and physical exercises accessible to everyone considering all age groups from infants to old age.

Built with the vision of helping people decide what right to eat for their body. ArogyaX was selected among the Top 100 teams nationwide in TinkerPreneur 2023, following which Garima was inducted into the prestigious Tinker Champs group in 2024 for her innovation mindset, leadership, and changemaking contributions.

With the guidance of Kiran Kumar Sir, and through collaborations with fellow Tinker Champs across India, Garima actively contributed through mentoring sessions, workshops, and innovation initiatives. As a speaker in the sessions during TinkerPreneur 2024, along with contributions towards Tinkerpreneurs Bootcamp and other mentoring

initiatives, she positively impacted nearly 40,000–50,000+ students across the country.

Within her school community, Garima has conducted digital skilling workshops for students, benefiting around 150–200 students. She also contributed through BizBox entrepreneurial self learning materials and two TinkerPreneur handbooks released across India to support peer learning and innovation.

Her journey further expanded through Intel AI Student Community where Garima took sessions for students on topic related to AI extending her outreach to another 20k students across India. Her story also featured in Startersky.

In the future, Garima aspires to take more changemaking initiatives, conducting transformative workshops, inspire and mentor more students across the country, and build innovative solutions and products that create real impact in society.

She is committed to leveraging her expertise in artificial intelligence and digital skilling to bridge the gap between technology and accessibility while contributing towards the vision of Viksit Bharat 2047.



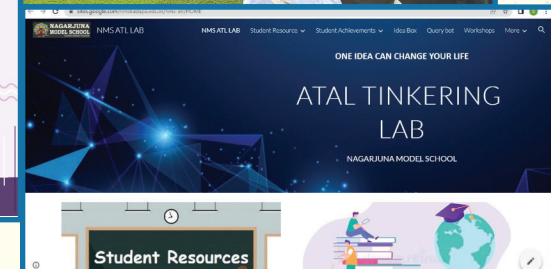


CREATING WHAT DIDN'T EXIST BEFORE

SHAIK SHEEMA FARHEEN

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Shaik Sheema Farheen, a 12th-grade student from Narayana College, Kadapa, Andhra Pradesh, is a young trendsetter who aspires to change people's lives through innovative and helpful initiatives. She enjoys spending her time working on new projects to create an impact.

She has worked on multiple innovative products in the past five years. To highlight one of those, "Low Cost Smart Dispenser" is one of the transformative projects that served the problem of teachers in her school. Sanitiser dispensers automatically without any physical help, yet just by placing your hand in front of it. This was the solution for many public halls as well. Sheema has received an Inspire Manak award from the Government of India and a cash prize of 10,000/- for developing this project. To continue, she has also come up with "NMS Explorer" along with her team. NMS Explorer is a one-stop shop, online web-portal that addresses all the challenges faced by ATL students by providing several tinkering tools and resources. It's a self-learning portal where students can learn much of tinkering with minimal support from mentors. This was selected among the top 350 teams of ATL and then stood among the top 10 teams in the Shepreneur internship by

DELL Technologies held in Bengaluru. This was the most remarkable and proud achievement ever.

Under the mentorship of Kiran Kumar sir and Phaneendra sir, she was introduced to fellow Tinker Champs, the pioneers in the change making era. Sheema, and her team visited a community school introducing the students to problem solving and innovation inspiring about 100+ students. Also, conducted "Handhold Me" Pan India sessions as part of Tinkerpreneur 2023, and served for Mega Tinkering Day, impacting about 10,000+ students locally as well as nationally. Sheema has also executed many Digital skilling workshops for the teachers and students helping more than 150+ students and staff of her school. Together, as Tinker Champs, she has developed "BizBox - Entrepreneurship in a kit". It is the complete guide for a student to start from scratch and reach the entrepreneur level. The kit was launched by conducting several workshops in various schools. After gaining the practical experience, students gave tremendous feedback about the content and the activities. She is currently working on upscaling her skills, striving to develop the spirit of changemaking and make a larger impact with the strong aim of "Doing something different and unique to create a change"





CRAFTING IMPACT THROUGH CONSISTENCY

NS MUSKAN MEHAK

Innovator | Change Maker
Student Mentor | Tinker Champ

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NS Muskan Mehak, a student of Nagarjuna Model School, Kadapa, Andhra Pradesh, is an aspiring innovator who believes that consistent effort leads to perfection. Passionate about problem-solving and creativity, she has actively contributed to innovation-driven initiatives and leadership programs from a young age.

Her innovation, “Ripe Fruit Identifier,” is a device designed to identify whether a fruit is ripe or not. The project aims to reduce food wastage and assist both consumers and sellers in identifying fruit quality more efficiently. The innovation was selected among the top 350 teams at the national level in the ATL Marathon 2021–22, later shortlisted among the top 30 teams for an internship program at DELL Technologies, Bangalore, and ultimately recognized among the top 10 teams for its impact and originality.

Under the guidance of Kiran Kumar HS Sir and Phaneendra J Sir, along with support from fellow innovators across India, Muskan transformed from a curious learner into an active contributor in the innovation ecosystem. Since becoming a part of the Tinker Champ Programme in 2022, she has gained national recognition through the Tinker Champ Maker Faire Programme, a student-driven and mentor-assisted initiative focused on developing 21st-century skills

and leadership qualities.

Muskan also served as a speaker in the “HandHold Me” session during Tinkerpreneur 2023, where she mentored students from Punjab as well as government school students, positively impacting more than 100 learners. Within her school, she and her teammates conducted digital skill-ing bootcamps for students and teachers, benefiting over 80 teachers and 150 students.

In addition, she played an active role in the BizBox entrepreneurial workshop, impacting nearly 100 students. She also participated in Mega Tinkering Day across both branches of her school and contributed to the Student-Led Training Program. Recognized as a Student Mentor, she guided her peers in various clubs and supported them throughout their learning journey. She was awarded ₹500 for her contribution as an active Student Mentor during the Change Makers’ Summer Camp held in 2023.

Today, Muskan stands as a young innovator and mentor who continues to inspire her peers through leadership, creativity, and perseverance. She aspires to create more impactful innovations that solve real-world problems and encourage more students to become future changemakers.





CREATING OPPORTUNITIES, CULTIVATING CONFIDENCE

CHANDANA P

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WE THINK BIG
Tinker Champs



Chandana is a passionate young innovator and change-maker from Nagarjuna Model School, Kadapa, Andhra Pradesh. Her journey with the Atal Tinkering Lab began with a deep curiosity for hands-on learning and a desire to create meaningful impact beyond the classroom.

Her first step into the world of innovation was building an Automatic Plant Watering System — a project close to her heart, driven by a simple yet powerful desire to save plants. Noticing how plants often wither due to irregular watering, she designed and developed a smart system that automatically waters plants based on soil moisture levels, ensuring they receive the right amount of water at the right time, without any human intervention. This project, her very first after joining the ATL, marked the beginning of her innovation journey and reflected her belief that technology should solve real, everyday problems. It also demonstrated her early grasp of electronics, sensors, and sustainable thinking — skills she would continue to build upon in the years ahead.

Her interest in innovation soon turned into action as she began exploring technology, creativity, and peer learning through ATL activities. During Mega Tinkering Day, she mentored almost 60 sixth grade students in circuit making — helping young learners experience the excitement of building and experimenting on their own. She later represented herself at Maker Faire 2.0 on a national platform, with over hundreds of students where she conducted a session on website creation using Google Sites as part of Introduction to Innovation, making technology simple and accessible for students across the country.

Her dedication to innovation, leadership, and contribution to the ATL ecosystem earned her the prestigious title of Tinker Champ.

As a Tinker Champ, Chandana continued creating impact through collaboration and mentorship. Inspired by fellow Tinker Champ Meghana, she co-conducted Imagination in Ink, a five-session online story writing workshop for over 50 students from Gopi Krishna School and Nagarjuna Model School across Kadapa district — encouraging creativity, communication, and peer learning among young students.

She also contributed as a technical assistant in the Seed the Future Entrepreneur program by Dassault Systèmes, where her team secured a place among the Top 10 teams across the nation. As part of the National Tinker Champ team, she designed tutorial cards for Bizbox workshops that are now used by students across India. She further created and published her school's first nationally released coffee table e-book, The Bizbox Coffee Table e-Book, followed by Sports Spectra Coffee Table e-Book 1 and 2.

Recognised as both a Student Mentor and National Tinker, Chandana believes that innovation grows stronger when students learn from one another and work together to create change.

Her vision is to continue empowering young learners through creativity, communication, and innovation — helping build a generation that is confident enough not only to seize opportunities, but also to create them.





THE FUTURE STARTS WITH RESPONSIBILITY

JAYADITH ELURU

Tinker Champ | Tech Enthusiast
Young Innovator

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Champs*



Jayadith Eluru, a student of DPS North, Bengaluru, Karnataka, is passionate about creating meaningful change in the community by leveraging emerging technologies and innovative skills. He is deeply enthusiastic about bridging the digital world with the ever-evolving realities of society to build practical, impactful, and future-ready solutions.

iSustainPlanet is an innovative sustainability-focused initiative aimed at addressing the growing challenge of waste generation and its impact on the environment. With overflowing landfills, rising greenhouse gas emissions, and increasing climate concerns, the project envisions a future where every individual actively contributes toward building a cleaner, healthier, and more sustainable planet through effective waste management and reduction practices.

The initiative aligns with India's commitment to reducing carbon emission intensity by 45% by 2030 by encouraging actionable and incentive-driven participation at the individual citizen level. Through awareness, responsible waste practices, and sustainable solutions, iSustainPlanet promotes environmental responsibility and climate-conscious living.

The project was recognized among the Top 300 innovations in ATL Marathon 2024 and was also selected for the Atal Catalyst Program conducted by ISB. Additionally, the innovation received recognition in an Indian Air Force Inno-

vation Competition, highlighting its potential impact and relevance in the field of sustainability and climate action.

Jayadith was inducted into the Tinker Champs after showcasing his project UrbanGrow during the National Technology Day 2024 exhibition held in Delhi. The event brought together exceptional innovations and talents from students, startups, companies, and government organizations across the country. Being a part of this ecosystem helped Jayadith deeply understand the spirit of changemaking and innovation while strengthening his critical thinking and problem-solving abilities.

Under the guidance of Kiran Kumar Sir and Phaneendra Sir, and through active collaboration with fellow Tinker Champs, Jayadith contributed to mentoring sessions, project development activities, and innovation initiatives. As a speaker in the "HandHold Me" sessions during Tinker-Preneur 2024, along with conducting school workshops and supporting pilot initiatives like BizBox, he was able to create an impact on nearly 30,000–40,000+ students across the country.

Looking ahead, Jayadith aspires to continue tinkering and innovating to solve future challenges and create meaningful impact in society. He aims to transform his ideas into startups addressing real-world problems while continuing to inspire and motivate students through workshops, mentorship, and changemaking initiatives.





GROWING A GENERATION OF CHANGEMAKERS

AVANI SHARMA

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Meet Avani Sharma, a Class XII student at Subodh Public School, Rambagh, Jaipur, Rajasthan. She builds tools that help students often excluded from quality learning feel seen, supported, and capable.

Avani started with Filia, a companion for disabled and underprivileged students facing isolation and limited access to learning. Filia acts as a teacher, friend, and emotionally using mobility, a projector, and a chatbot to give students consistent support and a reason to engage.

She then built MindScape to expand that reach. MindScape uses a wearable device and AI to analyze a student's environment, simplify complex text, generate visualizations, and teach social cues in context. It's designed for students who struggle with standard curricula, especially those with learning differences.

MindScape reached the Top 50 of India AI Tinkerpreneur 2025, and Avani was the only student from Rajasthan invited to present it at the India AI Impact Summit 2026. Her innovations have also been recognized through Youth Ideathon, ATL Tinkerpreneur, and multiple media features. She is currently working towards developing both projects.

As her projects evolved, Avani also began focusing on how innovation communities can help students grow together. She was inducted into the TinkerChamps community

in mid-2025 for her innovation mindset and changemaking work. The community connected her to students across India and enabled her to build systems that help others build.

Her school's ATL mentors gave her the space to test, fail, and improve. At home, her parents, Mr. Vinod Jangid and Mrs. Anubhuti Vinod, have been instrumental in supporting her. Collaborating with fellow TinkerChamps taught her that the fastest way to scale impact is to help other students become mentors too.

Avani has been focused on multiplying impact. She co-developed The Changemaking Modules by TinkerChamps for the TinkerChamps Academy. As a mentor and speaker for the ATL Sarthi Eco Innovators Bootcamp, she supported a program that reached 40 schools.

In her own school, she runs a peer community engaging 30 to 80 students through sessions, competitions, and hands-on mentoring. She's also participated in several ATL school events.

Avani is now exploring initiatives aimed at giving more students a chance to build and learn, hoping it will encourage others to start creating in their own communities. Her measure of success is simple: not what she creates, but how many students start creating because they now believe they can.



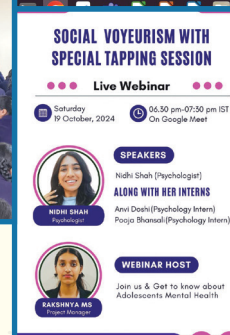


THE SPACE BETWEEN LISTENING AND CHANGE

BHAVYA SRI SURAVAJHALA

Student | Innovator | Tinker Champ

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If someone asks, “Who is Bhavya Sri Suravajhala?” she believes she is still discovering the answer every single day. But one thing she knows for sure is that she has always been someone who loves to build, create, and bring people together... because after all, she is a Tinker Champ!

Bhavya Sri Suravajhala is currently pursuing her B.Sc. (Hons.) in Psychology at Manipal University Jaipur. She is the founder of Adolescencesio, a youth-led mental health initiative focused on creating safe and supportive spaces for adolescents, and a proud Tinker Champ inducted into the community for her work in youth mental health innovation and leadership. For Bhavya, innovation was never just about projects or recognitions. It was always about understanding emotions, people, and problems that often go unnoticed.

Her journey truly began in 2022 through the ATL Tinkerpreneur program, where her brainchild, Adolescencesio, was shortlisted and funded. What started as a simple idea soon became deeply personal to her—a mission to create safe spaces for adolescents struggling silently with their mental health. Today, Adolescencesio has grown into a 25-member youth-led team working towards emotional well-being, peer support, awareness, and youth empowerment through webinars, outreach sessions, and community initiatives. Through these efforts, the initiative has reached over 3,500 adolescents globally and continues to encourage young people to seek support without fear or stigma.

Bhavya was inducted into the Tinker Champs community for her work in youth mental health innovation and leadership through Adolescencesio. Becoming a Tinker Champ became one of the most meaningful milestones in her journey because it introduced her to a community of young changemakers who inspired her to view innovation not as competition, but as responsibility. As a Tinker Champ, she has mentored students, conducted awareness sessions,

collaborated with fellow innovators, and contributed to ATL and entrepreneurship ecosystems. Alongside this journey, she has also explored research opportunities, including a study on how emotional states affect the composition of tears and contributing to SCVDB: A Database of SARS-CoV-2 Annotated Proteins. She was nominated for the Pradhan Mantri Rashtriya Bal Puraskar in 2024, received international recognition in Dubai for her youth-led initiatives and innovation efforts, and was also recognized as a Global Indian for her contributions as a young changemaker. These experiences further motivated her to continue creating meaningful change through empathy, leadership, and action.

None of this would have been possible without the mentors, teachers, and supporters who believed in her even before she fully believed in herself. She remains deeply grateful to Prof. Gayatri Manikutty Ma’am, Mr. Ganesh Narayanan Sir, Mr. Kiran Kumar Sir, Mr. Phaneendra J Sir, Mr. Vinay Yadav, Mr. Anirvinya Sir, Mr. Omkar Sir, Mr. Shubham Gupta Sir, her teachers Ms. Deepa Ma’am and Ms. Deepika Ma’am from Amrita Vidyalayam, Puthiyakavu, and especially her parents, Prof. Prashanth N Suravajhala and Dr. Renuka Suravajhala, whose support has always been her greatest strength.

Looking ahead, Bhavya wants to continue building solutions that combine psychology, empathy, and innovation. At Manipal University Jaipur, she is currently working on MindMint — a positive affirmation box initiative aimed at spreading encouragement and emotional comfort among students. Her vision is to place MindMint boxes across departments and student spaces so that even small moments of kindness can make someone’s day better.

More than achievements, Bhavya hopes her journey continues to inspire young people to believe that even the smallest idea, when driven by empathy and purpose, can grow into meaningful change.



GROWING A COMMUNITY OF PROBLEM SOLVERS

LAVANYA ADHIKARI

Student | Innovator | Tinker Champ



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TINKERPRENEUR 2022
Build a Marketing Plan - Handhold Me Session #4

Kiran Kumar H S
Mentor

Kavana C Gowda
Student

Syed Sadiya
Student

Lavanya Adhikari
Student

7th June 2022 | **5:00 PM - 6:00 PM**



Lavanya Adhikari is a student of Bal Bharati Public School. She has always been passionate about innovation and finding practical solutions to real-life problems faced by people in their everyday lives. Her interest in tinkering and problem-solving grew stronger through ATL activities, where she learned that even simple ideas can create meaningful impact when combined with creativity and empathy.

During her innovation journey, she developed a smart water management system called “JalRakshak,” designed to address the growing problem of water wastage in households and schools. She decided to work on this project after observing how taps were often left running unnecessarily, leading to large amounts of clean water being wasted every day. She realized that many people were unaware of how much water was being lost due to small habits and lack of monitoring.

To solve this problem, she created a low-cost smart system that detects water overflow and unnecessary wastage through sensors and alert mechanisms. The project was designed to encourage responsible water usage while making monitoring simple and accessible. Through this innovation, she understood how technology can be used not only for convenience, but also for protecting important natural resources and spreading awareness within communities.

The project received appreciation during ATL exhibitions and innovation events, where it was recognized for its social relevance and practical impact. More importantly, the experience gave her confidence that students can also contribute towards solving environmental challenges through innovation and teamwork.

With the guidance of Kiran Kumar Sir and Phaneendra Sir, Lavanya actively participated in ATL initiatives and collaborated with fellow Tinker Champs across India. She contributed through mentoring sessions, workshops, and innovation-driven activities. As a speaker in the “HandHold Me” sessions during TinkerPreneur 2024 and TinkerPreneur 2025, along with her contributions towards Mega Tinkering Day and other men-

toring initiatives, she helped create a national-level outreach impacting nearly 40,000–50,000 students across the country.

She was inducted into the Tinker Champs network during 2021–23. Becoming a Tinker Champ became an important milestone in her journey because it connected her with inspiring mentors, young innovators, and changemakers from across the country. The experience helped her grow not only as a student innovator, but also as a communicator, collaborator, and responsible problem-solver.

Throughout this journey, she received valuable guidance and support from her mentors, teachers, ATL in-charges, and fellow Tinker Champs. Their encouragement helped her refine her ideas, strengthen her confidence, and think more creatively about solving community challenges. Collaborating with students from different backgrounds also taught her the importance of teamwork, leadership, and learning from diverse perspectives.

As a Tinker Champ, she actively contributed by conducting workshops, mentoring junior students, and participating in peer-learning activities focused on innovation, creativity, design thinking, and problem-solving. She also contributed to ATL activities, TinkerPreneur initiatives, and Mega Tinkering Day events, where she collaborated with fellow Tinker Champs to inspire students to identify real-world problems and develop meaningful solutions. Through these direct mentoring and workshop initiatives, she positively impacted more than 300 students by encouraging innovation-driven learning and hands-on problem-solving.

In the future, Lavanya aspires to continue building impactful innovations that address environmental and social challenges while creating long-term positive impact in society. She also hopes to inspire more young students to believe in their ideas, explore innovation fearlessly, and become changemakers in their own communities. For her, innovation is not only about creating projects—it is about creating opportunities, solving problems, and making life better for others.

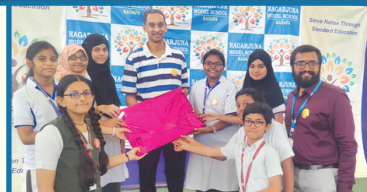


INSPIRING YOUNG MINDS, CREATING LASTING IMPACT

KHUSHBOO JAIN

Tinker Champ | Young Innovator Changemaker

✉ tc816@nmskadapa.edu.in



Student Mentor in NMS Bizbox Workshop



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Khushboo Jain, a student of Nagarjuna Model School, Kadapa, Andhra Pradesh, is a passionate young innovator who believes that learning should be creative, engaging, and meaningful. Her innovation journey gained national recognition through Eklakshya — an interactive learning platform designed to make studies fun and stress-free through comic books, simplified concept explanations, experiments, quizzes, real-life examples, and interactive dashboards. Built with the vision of transforming learning into an enjoyable experience, Eklakshya was selected among the Top 7 teams nationwide in TinkerPreneur 2023, following which Khushboo was inducted into the prestigious Tinker Champs group in 2024 for her innovation mindset, leadership, and changemaking contributions. The journey of Eklakshya was also featured in Andhra Jyothi Newspaper and on The Better India platform. Owing to her entrepreneurial and pitching skills, she earned a paid internship opportunity and was also selected for the Young Leaders Program by Lead Educational Institution.

With the guidance of Kiran Kumar Sir and Phaneendra Sir, and through collaborations with fellow Tinker Champs across India, Khushboo actively contributed through mentoring sessions, workshops, and innovation initiatives.

She served as a Student Mentor during Winter Camp 2023 and also mentored students online during the Eco Innovators Winter Camp. As a speaker in the “HandHold Me” sessions during TinkerPreneur 2024 and 2025, along with contributions towards Mega Tinkering Day and mentoring initiatives, she positively impacted nearly 40,000–50,000+ students across the country.

Within her school community, Khushboo conducted digital skilling workshops for students and teachers, impacting nearly 80 teachers and around 120–150 students. She also contributed through BizBox entrepreneurial workshops impacting nearly 100 students, along with educational comic books, newsletters, websites, and two TinkerPreneur handbooks released across India to support peer learning and innovation.

Her journey further expanded through programs like Jigyasa AeroFest 2024–25 and the “Seed the Future Entrepreneur” program by Dassault Systèmes, where her team’s project was selected among the Top 10 teams at national and international levels. In the future, Khushboo aspires to take more changemaking initiatives, inspire and mentor more students, and build innovative solutions that contribute towards the vision of Viksit Bharat 2047.





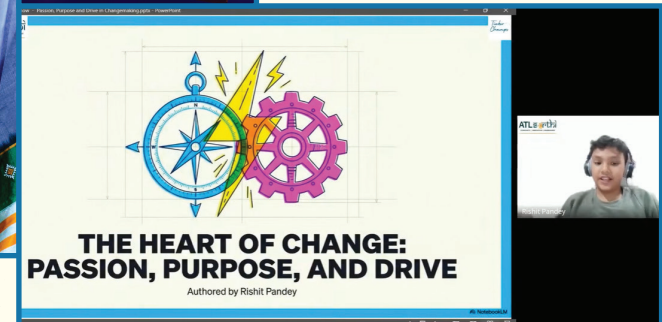
UNLOCKING POTENTIAL, ONE CHALLENGE AT A TIME

RISHIT PANDEY

Tinker Champ | Young Innovator
Changemaker



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Rishit Pandey, currently studying in 8th grade at Air Force School Hebbal, Bengaluru, Karnataka, originally from Uttarakhand, is a passionate young innovator who believes that learning should be accessible to everyone.

His innovation journey began in 6th grade, when he developed Rubik's Realm — an interactive learning platform designed to help individuals solve Rubik's Cubes, learn Chess, and enhance cognitive and problem-solving skills.

Rubik's Realm promotes stress-free learning through interactive dashboards, visual learning resources, and activity-based content, making complex concepts engaging and easy to understand. It has been explored by fellow students and peers, who found it helpful in improving focus, logical thinking, and confidence while learning new skills, highlighting its real-world impact as a meaningful educational initiative.

Built with the vision of transforming learning into an enjoyable and accessible experience, Rubik's Realm was selected among the Top 60 teams nationwide in Tinkerpreneur 2024, when Rishit was just in the 6th grade.

Following this, he continued to explore his interests by participating in inter-school ATL events such as Synergy

Fest and robotics workshops, gaining further exposure to hands-on learning and technology.

In 7th grade, he took a significant step forward by participating in three consecutive bootcamps — the AI Digital Skill-ing Bootcamp, Martian Odyssey Bootcamp, and the Young Changemaker Challenge. These experiences played a crucial role in shaping his mindset as an innovator. Through them, he developed strong problem-solving skills, learned to think critically, and understood how to transform ideas into real-world solutions.

He also gained valuable experience in teamwork, collaboration, and presenting ideas with confidence, while learning the importance of persistence, experimentation, and continuous improvement. In the final bootcamp, he successfully completed his project.

Following this, Rishit was inducted into the prestigious Tinker Champs group in 2025, during the 7th grade, for his innovation mindset, leadership, and changemaking contributions. His journey continues to be shaped by experimentation, peer learning, and collaboration through platforms like ATL.

Through his journey, Rishit continues to inspire young learners to explore creativity, problem-solving, and innovation with confidence.





FROM CLASSROOM IDEAS TO NATIONAL PLATFORMS

HITEN JAIN

Tinker Champ | Young Innovator
Student Leader | Changemaker



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Champs*



Hiten Jain, a student of Nagarjuna Model School, Kadapa, Andhra Pradesh, is a passionate young innovator and changemaker who believes that technology and innovation can create meaningful impact in students' lives and society. From a young age, he has actively participated in innovation, entrepreneurship, and technology-driven learning initiatives with the vision of building solutions that solve real-life problems.

Hiten's innovation journey gained recognition through his project "Vision Alert" — an innovative solution designed to alert students when mobile phones are used too close to their eyes, helping create awareness about eye safety and healthy digital habits among children and youth. Through this innovation, Hiten participated in the prestigious ATL Marathon and secured a place among the Top 350 teams nationwide out of nearly 7500 participating teams across India.

Following this achievement, he was selected to showcase his innovation at Pragati Bhavan, New Delhi, during the NEP 2020 innovation exhibition, where young innovators from across the country presented impactful ideas and solutions.

Hiten's dedication towards innovation and problem-solving further led him to participate in the INSPIRE MANAK NLEPC program, where his project was selected. Continuing his remarkable journey, Hiten advanced through district-level, state-level, and national-level INSPIRE MANAK competitions, earning appreciation for his creativity, innovation

mindset, and commitment towards solving real-world challenges. He was once again selected to represent his work at the National Level INSPIRE MANAK competition in New Delhi, further strengthening his exposure to innovation ecosystems and national platforms.

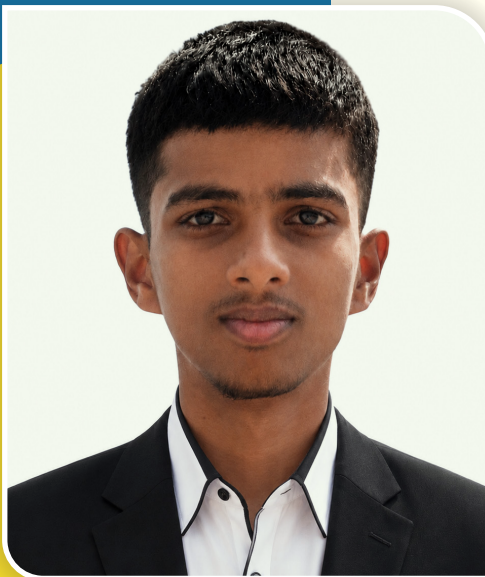
Hiten has also been recognized as a Tinker Champ. He participated in SIP and SEP seven days programme which was held in Sri Krishnadevaraya University, Anantapur, Andhra Pradesh. With the guidance and support of Phaneendra Sir and Kiran Kumar Sir, Hiten contributed to several workshops, mentoring sessions, and collaborative initiatives aimed at promoting innovation and digital skills among students.

Hiten actively mentored and inspired fellow students through mentoring sessions and peer-learning programs. Hiten encouraged students to explore creativity, problem-solving, and entrepreneurship using technology and innovation.

Recently, Hiten is shortlisted for the prestigious Sakura Science High School Program (SSHP), Japan — an international opportunity aimed at promoting scientific exchange and innovation among young students, with the final selection yet to be announced.

With continuous learning, leadership, and innovation at the core of his journey, Hiten aspires to build impactful solutions, mentor more young innovators, and contribute towards creating a technologically empowered and innovation-driven India!





SHAPING THE FUTURE THROUGH INNOVATION AND LEADERSHIP

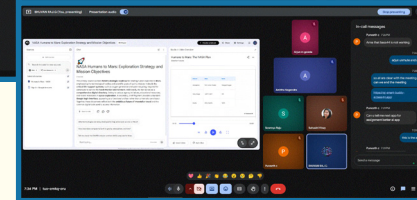
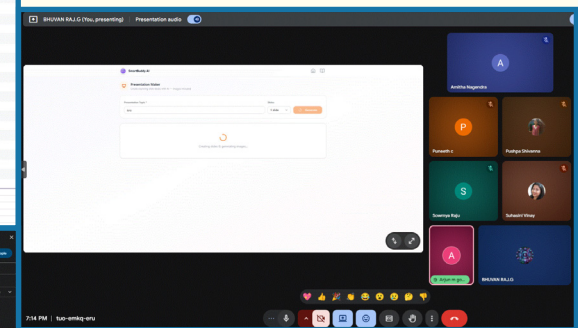
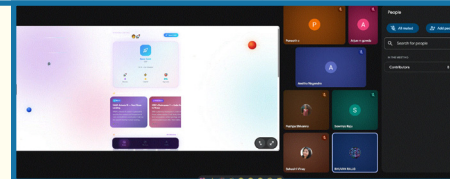
BHUVAN RAJ.G

Shanthinikethana School



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WE THINK BIG
Tinker Champs



Bhuvan Raj.G from **Shanthinikethana School, Bengaluru** believes that innovation is not just about technology — it is about solving real-world problems and creating meaningful change in society. His curiosity towards science, sustainability, and creative thinking motivated him to explore how young innovators can contribute towards building a better and more self-reliant India.

His journey into innovation became stronger through participation in ATL activities, where he learned the importance of problem-solving, teamwork, leadership, and using technology for social good. Inspired by real-world environmental challenges, Bhuvan began working on ideas that could spread awareness and encourage responsible living among students and communities. He was also more intrusted in learning different AI skills and how to use in the real life.

One of his notable initiatives was the creation of an AI-powered eBook platform called **Make Book AI Raj** <https://make-book-ai-raj-2-o.base44.app/>. Through this platform, he developed and published an awareness-based eBook focusing on the increasing use of LPG in India, its impact on the economy and environment, and practical alternatives that people can adopt in their daily lives. By combining AI tools with creative storytelling, the platform helped simplify complex topics and make sustainability awareness more engaging for young readers and students.

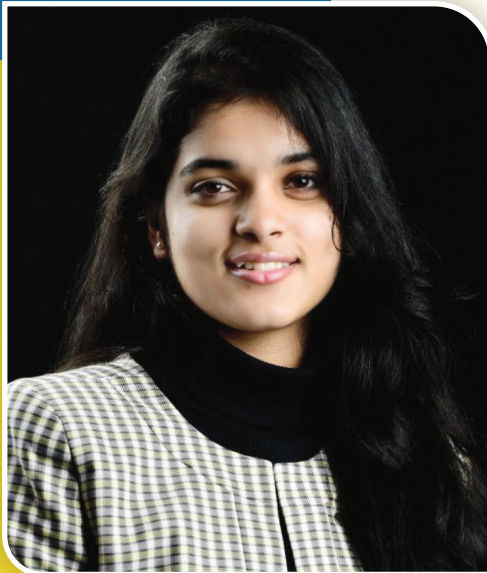
His work received appreciation during a national online session organized under **ATL AIM NITI Aayog** with the support of **GEM Mentors of India**, where his innovative thinking and social-impact-driven ideas were recognized and encouraged.

Believing that innovation becomes meaningful only when shared with others, Bhuvan also conducted a bootcamp for more than 50 students. Through interactive sessions on innovation, leadership, creativity, and space science, he motivated students to think beyond textbooks and become active problem-solvers in their communities. The positive response from students encouraged him to continue mentoring and guiding young minds.

His dedication and leadership later led him to become a **Tinker Champ**, where he continued working with his team to inspire creativity, collaboration, and a culture of innovation among students.

Bhuvan's journey reflects how curiosity, purpose, and determination can create real impact at a young age. His story stands as an inspiration to students, proving that even a simple idea — when driven by passion and social responsibility — can spread awareness, influence communities, and contribute towards meaningful change.



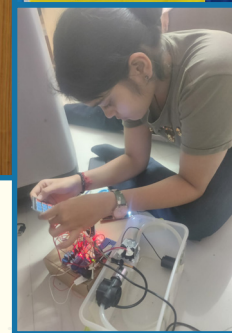
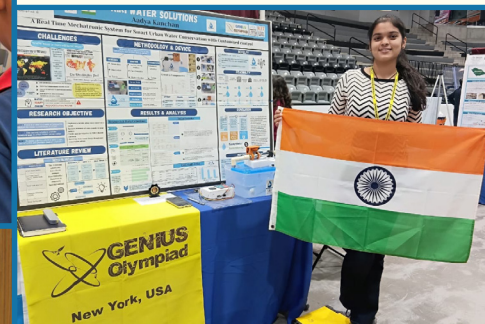
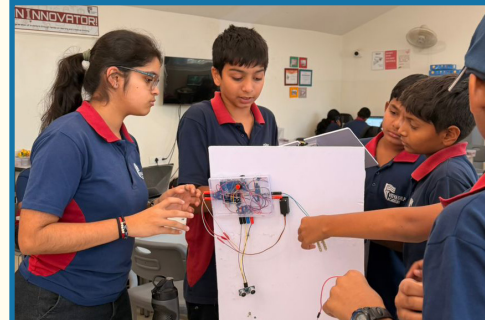


RETHINKING OUR RELATIONSHIP WITH WATER

AADYA KANCHAN

Tinker Champ | Young Innovator
Youth Advocate for SDG & Water
Conservation

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Champs*



Aadya Kanchan, a student of Vidyashilp Academy, Bengaluru, Karnataka, is a passionate young innovator who believes that even the most complex global challenges can often be solved through simple, practical, and human-centered solutions. Deeply inspired by sustainability and real-world problem solving, Aadya's innovation journey began during Bengaluru's severe water crisis in 2023, when she witnessed first hand how rapidly cities were running out of water while large amounts were still being wasted unknowingly every day.

This experience led to the creation of **W** — a real-time mechatronic water conservation system integrating IoT sensors, automated flow regulation, leak detection & blocking, and behavioural feedback loops to help individuals monitor and reduce water wastage effortlessly. What started as an idea in her school ATL lab gradually evolved through multiple prototype iterations, redesigns, failures, and field testing into a validated solution focused not only on technology, but also on behavioural change and awareness around water conservation.

Today, NIRI has been deployed across homes, schools, and a hospital setting, helping save nearly 20% water through direct usage over the past several months. Alongside the innovation, Aadya also launched awareness initiatives and campaigns that reached over 100,000 people through workshops, talks, podcasts, and sustainability events, encouraging people to rethink their relationship with water and become more mindful of daily consumption. The project received recognition at several national and international platforms. Aadya was honoured as the “Na-

tional Water Champion 2025” at the Stockholm Junior Water Prize hosted at IIT Madras, presented NIRI at the United Nations Office in Geneva during the 1M1B Impact Summit (2025), received the Gold Medal at GENIUS Olympiad 2025 in the USA, and delivered a TEDx talk on “Rethinking Our Relationship with Water.” The project has also been certified by the Government of Karnataka and selected for felicitation at the Tinker Champs Ceremony by AIM, NITI Aayog, Government of India.

Aadya was inducted into the Tinker Champs community for her innovation journey, leadership, and commitment towards creating sustainable impact through technology and awareness. Through the platform, she actively participated in mentoring initiatives, peer learning sessions, innovation discussions, and student outreach activities while collaborating with fellow young innovators from across the country.

With guidance from mentors, teachers, ATL facilitators, government engineers, and fellow Tinker Champs, Aadya learned that innovation is not built alone — it grows through collaboration, resilience, and continuous learning. Beyond building devices, she hopes to inspire more students to observe the problems around them closely and use ATL labs as spaces to transform ideas into meaningful social impact. In the future, Aadya aspires to work at the intersection of engineering, sustainability, and public policy to build scalable solutions for climate and water challenges. Through innovation, advocacy, and community-driven action, she hopes to continue creating impact and contribute towards building a more sustainable and resilient future.





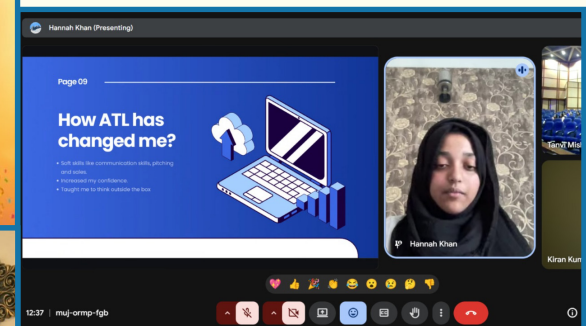
BUILDING BEYOND BOUNDARIES

HANNAH KHAN

Student | Innovator | Tinker Champ

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CONGRATULATIONS, YOUR TEAM WAS A QUARTERFINALIST!

Thank you for completing the survey and participating in the Technovation program. Find your scores and comments from the judges below!

Average Quarterfinals
Score: 54.0/75



What began as a curiosity about technology gradually evolved into a passion for creating meaningful solutions. Hannah Khan, a student of Grade 9 at Delhi Public School, Bengaluru, Karnataka, has always been deeply fascinated by the ability of technology to solve real-world problems and create positive change. Since becoming part of the ATL ecosystem, she has developed a strong interest in understanding how technology works and believes there is a certain beauty in its ability to transform ideas into practical solutions. Her goal is to use technology to address everyday challenges and make innovation more accessible and impactful for society.

One of the projects closest to Hannah is TrackIt, an AI-powered driving analysis application developed using Kotlin and Jetpack Compose. The application uses GPS, accelerometer, and gyroscope sensors to analyse driving behaviour, monitor speed, and encourage safer driving habits. She developed the project with the belief that road safety is often ignored until accidents occur, and wanted to explore how technology could help people identify unsafe driving patterns before it becomes too late. Through this experience, she realized that innovation becomes truly meaningful when it addresses practical problems faced by society.

TrackIt was later recognized as one of the best projects in the Technovation Girls competition, further motivating Hannah to continue building impactful solutions. However, what she considers the project's greatest achievement was seeing people actively use it. Around 40 teachers and members of her community used TrackIt, and for Hannah, it was deeply rewarding to see a small idea create awareness and positively influence others.

Hannah's journey as a Tinker Champ began when mentors from the ATL ecosystem visited her school's ATL lab. At the time, she was actively mentoring students in electronics, sensors, boards, and prototyping within the lab. During the interaction, she explained ongoing projects, guided visitors through lab activities, and spoke about the mentorship initiatives she was involved in. What stood out was not only her

technical understanding, but also her ability to communicate ideas effectively and help other students learn. She was later introduced to the national-level Tinker Champs initiative and immediately connected with its vision of peer learning, collaboration, and youth-led innovation.

Mentorship and knowledge-sharing have become an important part of Hannah's journey. She has conducted sessions for students on electronics, sensors, and hardware integration both within and outside her school. One of the memorable experiences in her journey was conducting a session at the ECO Innovators Bootcamp on IoT and the integration of smart technologies into sustainability-focused projects. Collaborating with fellow Tinker Champ Vaishnavi, she helped around 30 to 40 participants understand how technology can be transformed into practical solutions with real-world impact.

She also had the opportunity to speak during an online interaction hosted at the Indian Embassy in Abu Dhabi for the inauguration of ATL labs there, where she shared her experiences with the ATL ecosystem and highlighted how such labs empower students to turn ideas into innovation. For her, seeing students become curious, confident, and excited about technology has been one of the most rewarding aspects of her journey.

What motivates Hannah the most is the reality that despite rapid advancements in technology, access to it still remains limited for many people in the country. In a world increasingly driven by AI and digital innovation, there are still rural communities without access to basic internet connectivity or quality education. She strongly believes that technology, education, and innovation should never be privileges available only to a few, but opportunities accessible to everyone. Through her work, she hopes to contribute towards bridging this gap.

For her, tinkering is not just about building projects. It is about building opportunities, inspiring people, and creating solutions that can create meaningful change in society. She believes that true progress will only happen when every student, regardless of their background or location, gets the opportunity to learn, build, and innovate.



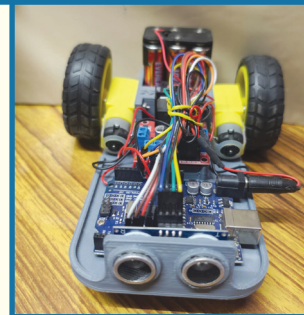
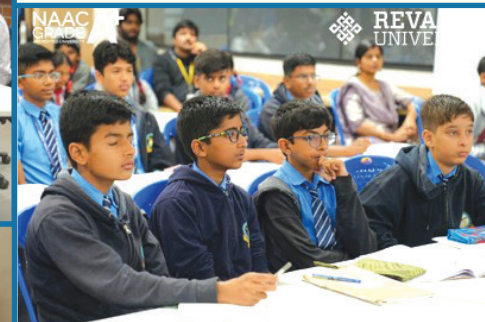
VAISHNAVI MANNAT

Tinker Champ | Young Innovator
Changemaker



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CREATING TECHNOLOGY FOR A BETTER TOMORROW



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Vaishnavi Mannat from Royale Concorde International School is a young innovator with a strong interest in Artificial Intelligence, technology, and creative problem-solving. She enjoys transforming ideas into practical solutions that create a positive impact and believes that innovation becomes more meaningful when people learn and grow together.

As a part of the Atal Tinkering Labs ecosystem, Vaishnavi actively participates in projects, mentoring sessions, and innovation activities. She is passionate about encouraging teamwork and helping students explore technology in a simple and engaging way.

One of her notable projects is a **walking robot designed for children with disabilities**. The robot was created to provide an interactive and enjoyable learning experience, helping children engage with technology while having fun. The project reflects her commitment to using innovation for inclusion and social impact.

During a visit to **REVA University**, Vaishnavi presented an

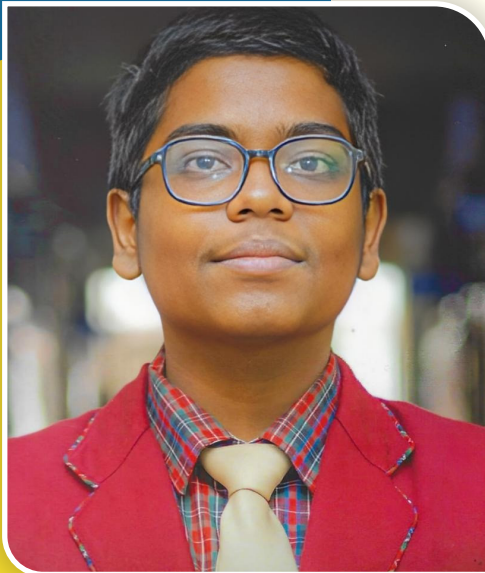
idea focused on environmental monitoring and air pollution awareness. The project measured **air quality, temperature, and humidity**, helping users better understand their surroundings and make informed decisions. Her idea was highly appreciated by the judges and secured **2nd place**, motivating her to continue developing real-world solutions.

In 2025, Vaishnavi was selected as a **Tinker Champ** for her creativity, leadership, and dedication to innovation. With guidance from mentors **Kiran Kumar** and **Phaneendra**, she has contributed to workshops, mentoring sessions, and collaborative initiatives with fellow Tinker Champs across India.

Her team also achieved a significant milestone by reaching the **Top 1000** in both **Atal Marathon 2024** and **Atal Marathon 2025**.

From being a curious learner to becoming a recognized Tinker Champ, Vaishnavi's journey reflects determination, teamwork, leadership, and a passion for creating technology-driven solutions that benefit society.





TRANSFORMING EDUCATION THROUGH TECHNOLOGY AND INNOVATION

RUPESH KUMAR JHA

Tinker Champ | Young Innovator |
Entrepreneur

✉ rupeshjha@gyanyug.org.in



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Rupesh Kumar Jha, a student of M.L. Khanna DAV Public School, Dwarka, New Delhi, is a young innovator and entrepreneur committed to transforming education through technology. As the Founder of GYANYUG, he is building an AI-powered learning platform that makes education more accessible, personalized, and engaging through intelligent learning tools, career guidance, and inclusive educational technologies.

His innovation journey earned national recognition when GYANYUG was selected among the Top 100 teams in TinkerPreneur 2025. Recognizing his passion for innovation, leadership, and social impact, Rupesh was inducted into the prestigious Tinker Champs community in 2025.

Mentored by Kiran Kumar H. S., RMoC Karnataka, Rupesh has collaborated with innovators and changemakers from across India to drive national innovation initiatives. As a speaker during the HandHold Me sessions at TinkerPreneur 2025 and 2026, and through his contributions to Mega Tinkering Day and several mentoring programs, he has inspired and impacted an estimated 50,000 to 70,000 students across and beyond India. As part of Mega Tinkering Day 2025, Rupesh developed the official national website, authored the event handbook along with fellow tinker champs under the mentorship of Phaneendra J, RMoC A.P, and helped make the handbook

Beyond school, Rupesh has successfully represented GYANYUG at some of India's leading universities and innovation platforms, winning top honours at institutions including Shyam Lal College (University of Delhi), SOIL School of

Business Design, Maharaja Agrasen College (University of Delhi) IIT Guwahati, while also presenting and competing at platforms hosted by Shaheed Bhagat Singh Evening College, Atma Ram Sanatan Dharma College, Delhi Technological University, LNCT Group of Colleges, and several other premier institutions. His entrepreneurial journey has consistently demonstrated excellence in innovation, business strategy, and technology-driven problem solving.

His work has received national and international recognition through organizations such as the 1M1B Foundation, IBM Skills Build, the United Nations in India, and Teach A Man To Fish (United Kingdom). He was recognized among the Top 50 Changemakers of India by the 1M1B Foundation for creating technology-driven solutions with meaningful social impact and was awarded the Best Business Launch Winner in the Enterprise Adventure global entrepreneurship program by Teach A Man To Fish for successfully launching and validating GYANYUG as an innovative education venture.

In recognition of his contributions to entrepreneurship and education, Rupesh has also been selected for the Indian Achievers' Award 2026 for Young Entrepreneur, celebrating his leadership, innovation, and commitment to building impactful solutions for society.

Driven by the vision of Viksit Bharat 2047, Rupesh aspires to build globally impactful education technologies, empower millions of learners through AI, mentor the next generation of innovators, and position India as a global leader in educational innovation.



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