



Vineet Kumar
Innovator | Entrepreneur

Vineet Kumar is a passionate innovator, ecosystem enabler, and cleantech entrepreneur based in Hyderabad with a background in Electrical & Electronics Engineering. With over four years of hands-on experience, he has shaped and supported more than 30 early-stage ventures, mentored over 1000 students, and contributed actively to India's startup ecosystem.

As a **Startup Coach** at the **Venture Development Centre (VDC)** of GITAM University, he guides budding entrepreneurs through ideation, pitch design, and business model development. Vineet has also founded ventures like **PolyFueller**, a plastic-to-fuel innovation recognized nationally, and **MediCool**, a solar-

powered vaccine cooling device for rural health infrastructure.

His work has attracted grants from **Startup India**, **IIT Kanpur**, and **Indian Oil Corporation**, among others. A recipient of the **Swachhata Saarthi Fellowship**, **CDF Changemaker Fellowship**, and a finalist at the **IISF Innovation Challenge**, Vineet is equally adept in community leadership—having led innovation clubs, mentored robotics projects, and participated in global innovation programs like **Northeastern University's NEXPO**.

Vineet's commitment to solving real-world problems through sustainable technology and his collaborative work ethic exemplify the aspirations of a self-reliant, future-forward India.

Innovation with Impact: Vineet Kumar's Journey of Purpose, Prototypes, and Possibilities

In the evolving landscape of a self-reliant, *Viksit Bharat*, it is individuals like **Vineet Kumar** who translate national aspirations into grassroots action. An engineer, innovator, startup coach, and social technologist, Vineet is making waves not just in laboratories and classrooms but in communities that benefit directly from his innovations.

At the heart of his story lies a rare blend of **technical ingenuity and social empathy**—the ability to spot societal challenges, engineer low-cost solutions, and build scalable ventures that align with India's sustainability goals.

Early Foundations: Engineering for Social Change

Hailing from **Aurangabad, Bihar**, and now based in **Hyderabad**, Vineet's academic foundation in **Electrical and Electronics Engineering** from Ser Shah Engineering College set the stage for his explorations in applied technology. What began as curiosity in college hackathons and innovation sprints soon turned into award-winning prototypes with global recognition.

While still an undergraduate, Vineet realized that engineering needed to step outside conventional boundaries. His pursuit of purpose-led innovation led him to explore real-world problems: unmanaged plastic waste, cold chain failures in rural health, and lack of access to robotics education in Tier 2 and 3 regions.

PolyFueler: From Waste to Wealth

Among Vineet's most impactful innovations is **PolyFueler**, a homegrown machine that converts **1 kg of plastic into 800 ml of usable fuel**. Developed with a proprietary process and customized catalytic conversion, this solution emerged as a frontrunner in sustainability competitions across India.

Not only does PolyFueler address plastic pollution, but it also offers a decentralized energy generation model—perfect for rural and peri-urban settings. The project earned **over ₹10 lakhs in grants**, was recognized by **Northeastern University (Boston)**, and featured in SmartIDEAthon 2023, where Vineet's leadership stood out among more than 4,000 participants from across India.

MediCool: Saving Vaccines with Sunlight

Vineet's next breakthrough was **MediCool**, a solar-powered vaccine cooler designed for off-grid and remote areas. Understanding that vaccines often spoil due to temperature instability, Vineet developed a **smart cooling box** powered by solar energy and engineered with low-voltage power electronics.

MediCool received funding from innovation forums and NGOs and was showcased as a promising **health-tech solution** for rural healthcare delivery, especially in areas underserved by electricity or cold-chain infrastructure.

In a country where vaccine wastage can undermine public health efforts, MediCool stood as a **simple, yet transformative innovation** rooted in empathy and accessible engineering.

Scaling Through Education: JEVIX Technology LLP

Beyond developing technologies, Vineet has always been passionate about **sharing knowledge**. He co-founded **JEVIX Technology LLP**, a robotics and IoT training startup focused on rural students. The venture trained hundreds of learners in real-world applications like agricultural automation and smart irrigation through the **AgriBot project**.

With support from **BSTC Patna** and local NGOs, JEVIX became a platform for **hands-on learning, prototyping, and skill development**, preparing students for careers in Industry 4.0 while solving local agricultural problems.

Vineet's leadership also extended to **IIT Bombay's E-Yantra Innovation Club**, where he served as an Innovation Lead, conducting ideation sprints, project mentorship, and open-source prototyping sessions.

Enabling Others: Startup Coach at GITAM VDC

In 2024, Vineet joined **GITAM University's Venture Development Centre (VDC)** as a **Startup Coach**. Here, he mentored over **1000 students**, helped shape **30+ startups**, and designed capacity-building programs using the **"Ready, Set, Go"** startup model developed by Northeastern University, Boston.

From grant navigation to pitch decks, business model canvases to prototype refinement, Vineet became a critical pillar in GITAM's innovation ecosystem—guiding students not just as an educator, but as a **co-builder and problem solver**.

He also co-organized **startup bootcamps, VC panels, and mentor connect events**, building a dynamic, real-world bridge between academia and entrepreneurship.

Recognitions and Global Exposure

Vineet's work has been repeatedly recognized by national and international platforms. His **Plastic-to-Fuel, MediCool, and AgriBot** projects have received grants and accolades from:

- **Startup India & Northeastern University Boston**
- **IIT Kanpur's Ministry of Housing & Urban Affairs Grant**
- **Swachhata Saarthi Fellowship** (Govt. of India)
- **CDF Changemaker Fellowship** (Taco Bell Foundation & Ashoka)
- **IISF 2022 Innovation Challenge Winner**
- **SmartIDEAthon 2023 – Winner**
- **Indian Oil's Sustain-a-thon 2024 – Runner-Up**

In 2024, he was selected for the **NEXPO International Immersion Program** at **Northeastern University**, where he underwent intensive training in global entrepreneurship, startup scaling, and cross-border innovation.

Fellowships, Training, and Leadership Ethos

A true believer in **continuous learning**, Vineet completed the **National FDP in Entrepreneurship** at EDII Ahmedabad, was trained under **HarvardX's Ronald Heifetz** in public leadership, and earned certifications in **AI, soft skills, and communication** through TCS iON and other platforms.

His work ethic is grounded in **collaboration and community**, exemplified by his stints as:

- **Startup Ambassador, Government of Bihar**
- **Core Member, Entrepreneurship Cell**
- **Placement Cell Coordinator**
- **Innovation Mentor in college and state-level programs**

These roles enriched his ability to mentor, lead, and execute projects that matter beyond the lab or boardroom.

A Vision for *Viksit Bharat*

What makes Vineet Kumar a true **Rising Star of Viksit Bharat** is his alignment with India's long-term vision: sustainability, entrepreneurship, inclusivity, and decentralized innovation.

Whether it's converting waste into energy, delivering healthcare in remote zones, or mentoring first-time founders, Vineet brings **techno-social innovation** to life. His work reflects the **Gandhian principle of *Antyodaya***—serving the last mile first.

He continues to inspire by proving that impactful innovation doesn't need massive infrastructure, but **clarity of purpose, empathy, and grassroots action**.

Conclusion: Lighting the Way Forward

In a country where young minds often wait for opportunity, **Vineet Kumar creates his own—and then shares it with others**. His journey from Bihar to Boston, from student projects to startup pitches, tells a compelling story of what youth-led transformation looks like in 21st-century India.

As he continues to develop new technologies, enable future innovators, and solve real problems, Vineet Kumar stands not just as a technologist or entrepreneur, but as a **symbol of Bharat's developmental resolve**—grounded in service, powered by science, and driven by impact.