

Kunal Kumar Dubey

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CAREER OBJECTIVE

Computer Science undergraduate specializing in Internet of Things with hands-on experience in blockchain, AI-driven systems, and scalable software. Seeking opportunities to apply IOT and AI to build reliable technology solutions with measurable impact.

EDUCATION

Noida Institute of Engineering and Technology, Greater Noida B.Tech in Computer Science and Engineering (Internet of Things)	2023 – 2027 CGPA: 7.84
St. Joseph's School NTPC, Bhagalpur CBSE – Higher Secondary	2020 – 2022 Percentage: 80.8%
St. Joseph's School NTPC, Bhagalpur CBSE – Secondary Education	2010 – 2020 Percentage: 88.8%

PROJECTS

- **HerbalTrace — Blockchain-Based Ayurvedic Supply Chain Traceability** Dec 2025
Technologies: Hyperledger Fabric, Flutter [GitHub](#) | [Website](#)
– Designed and implemented a permissioned **Hyperledger Fabric**-based traceability system ensuring authenticity, transparency, and compliance across the Ayurvedic herbal supply chain.
– Enabled end-to-end provenance from farm-level collection to consumer verification using smart contracts, QR-based access, and immutable blockchain records.
- **AgriShield — AI-Powered Smart Agriculture Platform** Dec 2024
Technologies: React.js, TensorFlow, Node.js, MongoDB, Twilio, Google Cloud [Website](#)
– Built an AI-IoT system for automated irrigation and crop disease detection using ML, improving detection accuracy by 30% and optimizing irrigation efficiency.
- **SureHealth — AI-Driven Insurance Optimizer** Nov 2024
Technologies: Python, Flask, MySQL, JavaScript [Website](#)
– Developed an AI system comparing health insurance plans using personalized data to help users identify affordable, high-value policies.

TECHNICAL SKILLS

Programming Languages: Java, Python, Hyperledger Fabric
Frameworks & Libraries: Flask, TensorFlow, Keras
Tools & Platforms: Git, Docker, Kubernetes, Google Cloud
Databases: PostgreSQL, MySQL, MongoDB, Firebase

ACHIEVEMENTS

- **National Winner** — Smart India Hackathon 2025 (PS ID SIH25027)
- Robotics & AI Competition, UP International Trade Show 2025
- Hackstasy 2025 (SRMIST × Microsoft Azure, 55-Hour Hackathon)
- IIIT Delhi E-Summit "Hack for Impact"
- *Achieved 5 National Hackathon Wins and Finalist Positions in 12 Competitions*

CERTIFICATION

- **Cisco Packet Tracer Network** Nov 2025

LEADERSHIP

- **Team Leader — Smart India Hackathon 2025 (Winner)**
– Led a 6-member team to deliver **HerbalTrace**, a national blockchain traceability platform under the Ministry of AYUSH.
– Designed a permissioned **Hyperledger Fabric** network with smart contracts and multi-organization access control.
- **Tech Lead — Signodes IoT Club, NIET**
– Lead IoT-based project teams and supervise departmental innovation projects.