# Abhishek Maurya

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## EDUCATION

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|---|---|
| **Tula's Institute, Dehradun** | Expected May 2026 |
| *B.Tech in Computer Science* | |
| **National Institute of Open Schooling** | 2022 |
| *Senior Secondary Education* | *67%* |

## SKILLS

**Languages**: Python, JavaScript, C/C++, Java
**Frameworks/Libraries**: React.js, Flask, Django, Flutter, Pandas, Scikit-learn, TensorFlow
**Tools**: Git, GitHub, VS Code, Postman, AWS (EC2/S3), Excel, PowerPoint
**Core Areas**: AI/ML, Web Scraping, API Integration, Webhooks, IoT Firmware, Data Preprocessing, UI/UX Design

## PROJECTS

**LegalGPT – AI-Powered Legal Assistant** | *Streamlit, React.js, Razorpay, Local LLMs, Groq API*    Nov 2023
- Built an end-to-end legal assistant with speech/text queries and PDF document analysis.
- Implemented secure contract analysis, AI dispute mediation, and appointment booking.
- Integrated automated email transcripts and explainable AI summaries.

**NeuroGrip – Brain-Controlled Bionic Hand** | *ESP32C6, BioAmp, 3D Printing, AI*    Oct 2023
- Designed a 3D-printed robotic hand with 6 servos and EMG/brainwave control.
- Developed a haptic feedback system for touch simulation in amputees.
- Demonstrated skills in embedded systems and AI-driven motion control.

**CardioGram – Portable ECG & Heart Monitoring System** | *IoT, ML, Flutter*    Sep 2023
- Built a portable ECG device with ESP32C6 and BioAmp Heart Candy for 3-lead heart signal recording.
- Trained ML models on 30K+ ECG records to detect anomalies and display real-time graphs in a Flutter app.
- Integrated local LLMs to interpret results, generate PDF reports, and send them to preferred doctors.

## EXPERIENCE

**Product & AI Development Lead**    Nov 2024 – Jun 2025
*Vetra Innovation Pvt. Ltd.*
- Led STRING, an IoT wearable for women's safety with AI and Flutter app.
- Architected ML pipelines for distress signal detection using physiological data.
- Oversaw hardware, software, and AWS (EC2/S3) integration for prototypes.
- Built stakeholder dashboards for performance tracking.

**Web Developer Intern**    Apr 2024 – Jun 2024
*Techoctanet Services Pvt. Ltd.*
- Developed a full-stack crowdfunding platform using React.js and Flask.
- Integrated secure payment APIs and real-time analytics dashboards.
- Designed user interfaces and performance tracking systems.

## ACHIEVEMENTS

Team lead and Winner at HackData (Shiv Nadar University), HackIndia (Quantum University), Hack the Hills (DIT University)

1st Runner-Up, Startup Mahakumbh Futurepreneur – 2025

4,00,000 Grant, MeitY Genesis Program

1,00,000 Innovation Grant, UPES Runway Incubator (Best Innovation)

Winner, Startup Uttarakhand Bootcamp – 2025