

Mayank Agarwal

☎ +91-9696201019 | ✉ agrawalmayank2004@gmail.com | 🔗 LinkedIn | 🐙 GitHub | 🚀 LeetCode | 🍳 CodeChef

EDUCATION

Vellore Institute of Technology

Bhopal, Madhya Pradesh

B.Tech in Computer Science (Cyber Security & Digital Forensics); **CGPA: 8.84/10.00**

Sept. 2023 – May 2027

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, SQL

Frontend: HTML, CSS, React.js, Tailwind CSS

Backend: Node.js, FastAPI

Databases: MongoDB, MySQL, SQLite

Tools: Git, GitHub, VS Code, Postman

Core CS: Data Structures & Algorithms, Object-Oriented Programming, Operating Systems, DBMS, Computer Networks

EXPERIENCE

FOSSEE, IIT Bombay

Dec. 2025 – Jan. 2026

Winter Intern (Osdag Project)

Remote

- Developed **unit tests using PyTest** for the Osdag structural steel design software.
- Designed and executed **automated test cases** to improve software reliability and validate engineering modules.
- Collaborated with mentors to **identify bugs**, verify functionality, and strengthen the testing workflow.

PROJECTS

MedProof Protocol 🗝️ | React.js, Firebase, Solidity

- Developed a **full-stack pharmaceutical verification platform** for the INNOVIT 2026 Hackathon.
- Built a **React.js frontend** with Firebase backend and integrated smart contract-based verification.
- Implemented **secure medicine authentication** and supply-chain traceability on the Polygon testnet.

SangamSync 🗝️ | React, FastAPI, SQLite

- Built an **AI-powered volunteer management platform** for Mahakumbh.
- Developed **volunteer allocation**, analytics dashboard and offline-first data synchronization.
- Designed **REST APIs** using FastAPI with SQLite for reliable offline access.

ACHIEVEMENTS

- **1st Prize, INNOVIT'26 Hackathon:** Led Team Rooted to win the grand finale by building **MedProof**, a Web3 decentralized supply chain solution to eradicate counterfeit medicines.
- **1st Place, HackSecure Hackathon 2025:** Secured the top position out of **200+ teams** by developing **nEigent8**, a security tool preventing sensitive data leaks across Discord, Slack, GitHub, and Google Drive.
- **3rd Prize, NeoHire Hackathon:** Organized by Societe Generale Global Solution Centre; developed **ChainProof**, a blockchain solution ensuring the authenticity and immutability of digital files.
- **2nd Runner-up, DataDecode 2025:** Solved real-world branding and social media analytics challenges in a data science competition organized by Matrix Club and Unstop.
- **Tech Contributor, GSSoC 2025:** Selected for **GirlScript Summer of Code** to build, debug, and contribute to impactful open-source projects.

CERTIFICATIONS

- **Google / Coursera** — The Bits and Bytes of Computer Networking (Jan. 2026)
- **AWS Training & Certification** — AWS Technical Essentials (Sept. 2025)
- **NPTEL Elite** — Blockchain and Its Applications