Manik Chaudhary

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Education

Vellore Institute of Technology (VIT), Vellore
B.Tech, Computer Science and Engineering (Core)   *2023 – Present*
- **CGPA:** 8.58 / 10 (till Sem 4)

Experience

Introis Technologies — Remote

Full-Stack Developer Intern   *Jun 2025 – Aug 2025*
- Engineered a warranty-claim platform for Exide Batteries using React, Node.js, MySQL; delivered secure REST APIs with RBAC covering **100%** of claim workflows.
- Automated ingestion of **40–50 claims/month** via XML pipelines and schedulers, reducing reconciliation workload by **35%**.
- Optimized validation using schema enforcement and deterministic upserts, cutting manual review time from **2 hrs/day** to **<30 mins**.
- Integrated monitoring, alerts, and external APIs, shortening incident detection and resolution by **25%**.

Application Testing Intern   *May 2025 – Jun 2025*
- Designed QA automation for hospital ingestion pipelines (decryption, merge, validation) using Python; enforced end-to-end data integrity.
- Automated **120+ test cases** across 3 modules, accelerating regression cycles by **40%**.
- Deployed analytics pipelines that reduced monthly processing time from **6 days** to **30 mins** for **35–60 files**.
- Enhanced detection accuracy by **25%** through schema validation, retry logic, and structured logging.

Technical Skills

Programming:	Python, C/C++, Java, JavaScript, TypeScript
Frontend:	React, Tailwind, Bootstrap
Backend:	Node.js, Express, REST APIs, JWT
Databases:	MySQL, MongoDB
Tools/Infra:	Git, npm, Figma, AWS, CI basics, xml2js
Concepts:	ETL pipelines, QA automation, API design, DSA

Projects

DevMetric — [GitHub](#)
- Developed an AI-powered analyzer with React, Node.js, Gemini AI, MongoDB that scored GitHub repos and resumes for ATS readiness.
- Benchmarked on **20 repos + 20 resumes**, cutting evaluator triage effort by **40%**.

Mess Management System — [GitHub](#)
- Architected a platform for meal registration and waste analytics using React, Node.js, MongoDB, Recharts.
- Piloted with **15 users**, identifying waste hotspots and supporting menu adjustments for sustainability.

Session Management System — [GitHub](#)
- Implemented secure session handling with JWT, auto-logout, and route protection via React Context API.
- Reduced session-related support overhead by **20%** during pilot deployment.

Certifications

- Web Development Bootcamp — Udemy
- DSA using C/C++ — Udemy
- AWS Associate Developer — In progress (expected Aug 2025)
- Deloitte Australia — Data Analytics Job Simulation (Forage)

Achievements

- Mozilla Firefox Club — Senior Core (Design)
- Hackathons — VIT-wide and national competitions
- School Sports Captain — led inter-school teams and events