

AMAN JHA

Full Stack Developer | DevOps (Cloud-Native)

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Education

B.Tech in Artificial Intelligence & Machine Learning

Netaji Subhash Engineering College, Kolkata

2024 – Present

CGPA: 8.7 / 10

Work Experience

Full Stack Developer Intern

Techno India Group — Kolkata (Hybrid)

April 2026 – Present

- Built a mock test platform for **Techno International New Town** with exam management, student access, and result processing features. prepjee.tint.edu.in
- Developing internal products and workflow automation tools for organizational use.

Projects

• Anveshak — Multi-Agent Log Intelligence & Root Cause Analysis | *Next.js, Node.js, Redis, Kafka*

- Built an automated log monitoring platform to reduce manual debugging by converting raw logs into actionable insights.
- Implemented a **multi-agent architecture** to detect anomalies, correlate events across distributed services, and identify probable root causes.
- Solved cross-service correlation issues by developing a **log parsing/normalization layer** and shared-context correlation agent.
- Integrated alerting and automation workflows for faster incident response.

• Student Grievance Management Platform — AI-Powered Backend | *Python, Flask, PostgreSQL*

- Developed a grievance tracking backend with CRUD APIs, role-based workflows, and ticket chat history storage.
- Implemented **embeddings-based tagging and clustering** using OpenAI API and stored vectors/conversations in **MongoDB vector store**.
- Built a **Google Drive knowledge base ingestion pipeline** with incremental sync using `changes.list` + `startPageToken`.

Awards

- **Winner** — **Hackathon, Technique Polytechnic Institute (2026)**: Built **Anveshak**, a multi-agent log intelligence platform for anomaly detection and root cause analysis.
- **Winner** — **Hackathon, MCKVIE (2025)**: Built an AI-powered Student Grievance Management backend.
- **Winner** — **Hackathon, NSEC (2024)**: Secured runner-up position in a Competitive Programming hackathon.

Technical Skills

Frontend: React.js, Next.js, JavaScript, TypeScript, HTML5, CSS3

Backend: Node.js, Express.js, REST APIs, WebSockets

Databases: MongoDB, PostgreSQL, Prisma ORM

DevOps & Cloud: Docker, GitHub Actions, AWS (EC2, S3)

Tools & Technologies: Redis, Kafka, BullMQ, Git, Linux

Languages: Java, JavaScript, TypeScript, Python

Certifications

• **Git & GitHub Mastery** — Unstop

April 2026

• **Campus Ambassador** — Kshitij, IIT Kharagpur

January 2025