Thejaswini Thatigutla

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Summary

B.Tech Information Technology student at IIIT Gwalior (CGPA: 8.45, 2028 batch) with hands-on system development experience from an Amazon internship building automated monitoring infrastructure. Selected among top 200 of 25,000+ applicants nationwide in Flipkart Girls Wanna Code 7.0. Seeking a software engineering internship in backend, cloud, or AI systems to apply and expand these capabilities.

Education

Indian Institute of Information Technology, Gwalior — **Gwalior, India**
B.Tech in Information Technology --- **CGPA: 8.45** — *2024 -- Present*

Coursework: Data Structures, Design & Analysis of Algorithms, Competitive Programming, Object-Oriented Programming, Operating Systems, Computer Networks, DBMS, Compiler Design, Discrete Mathematics

Indian Institute of Technology Madras — **Online**
Foundational Certificate in Data Science and Programming — *2025 -- 2026*

Experience

Amazon — **Bangalore, India**
System Development Engineer Intern — *May 2026 -- July 2026*

- Built proactive monitoring and observability for **EPIC (Everyday Peak In Charge)**, a peak capacity-planning and auto-scaling platform, shifting the team from reactive detection via customer complaints to proactive alerting using CloudWatch dashboards, alarms, metric filters, and automated ticketing.
- Authored CloudWatch alarms and metric filters as infrastructure-as-code using **AWS CDK** across Beta, Gamma, and Production environments, enabling real-time visibility into service health and workflow execution.
- Developed backend services in **Java, JavaScript, and TypeScript/Node.js**, integrating S3, EventBridge, API Gateway, Lambda, SQS, SNS, and DynamoDB for asynchronous event workflows.

Projects

Legal RAG -- Retrieval-Augmented Generation for Legal Research — *2026*
Python, FastAPI, PostgreSQL, pgvector, BM25, KeyBERT, Sentence Transformers, LLMs

- Developed an end-to-end Legal RAG system integrating the Indian Kanoon API to index and process court judgments for context-grounded legal question answering.
- Implemented a hybrid retrieval pipeline pairing dense semantic embeddings (Sentence Transformers, pgvector) with sparse lexical search (BM25, KeyBERT) along with reranking and metadata filtering.
- Engineered LLM response generation with source-linked legal citations to guarantee answer traceability; evaluated retrieval quality using Recall@K and Precision@K metrics.

Skill Swap Platform — *2025*
React, Node.js, Express.js, MongoDB, REST APIs

- Engineered a full-stack peer-to-peer skill exchange platform featuring JWT authentication and user-matching logic.
- Designed modular RESTful APIs for frontend-backend communication and built an intuitive, responsive web interface.

Technical Skills

Languages	C++, Python, Java, JavaScript, TypeScript, SQL
Backend & Systems	Node.js, Express.js, FastAPI, REST APIs, OOP, Operating Systems, Computer Networks
Cloud & Databases	AWS (CDK, CloudWatch, S3, Lambda, DynamoDB, SQS), PostgreSQL, pgvector, MongoDB
AI / ML & Search	RAG Architectures, Dense Embeddings, BM25, Sentence Transformers, LLMs, KeyBERT
Tools & Practices	Git, GitHub, VS Code, Postman, Linux/Unix, Quip, Project Management
Soft Skills	Leadership, Team Collaboration, Problem Solving, Technical Communication

Achievements & Activities

- **Flipkart Girls Wanna Code (GWC) 7.0** *(2026)* --- Selected among the top **200** from 25,000+ applicants nationwide in Flipkart's coding and mentorship program for women in tech.
- **Alumni Meet Representative** *(2025, 2026)* --- IIIT Gwalior: Coordinated alumni outreach, registrations, and event logistics across two consecutive years.
- **Executive Member, Student Gyan Movement** --- IIIT Gwalior: Conducted educational mentoring sessions for underprivileged children, promoting academic learning and holistic development.
- **Executive Member, Student Activity Council (Welfare)** --- IIIT Gwalior: Organized institute-level welfare events to enhance student engagement and campus life.