

ATEEB ARMAN

Bengaluru, Karnataka

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EDUCATION

Indian Institute of Information Technology, Sri City

2022 – 2026

B.Tech - Computer Science and Engineering

Sri City, Andhra Pradesh

TECHNICAL SKILLS

Languages: Java, C++, JavaScript, Python, SQL

Backend & Systems: Java 17, Spring Boot, Node.js, Express.js, Redis, REST APIs, Caching, Concurrency

Generative & Agentic AI: RAG Architecture, LLM Orchestration (Gemini, Groq), Agentic Workflows

Databases: MongoDB, MySQL, Redis

Frontend: React.js, Tailwind CSS

Core Subjects: Data Structures & Algorithms, Operating Systems, DBMS, Object-Oriented Programming

EXPERIENCE

TechTok4U Pvt Ltd | SDE Intern

Jan 2025 – Mar 2025

- Engineered core backend services using **Node.js** and **Express.js**, structuring modular RESTful APIs to handle critical database operations and business logic.
- Optimized high-traffic endpoints by integrating **Redis caching** and refining MongoDB queries, reducing average API response times by roughly **60%** (measured via Postman load testing).
- Developed **15+ secure APIs** for the internal admin dashboard, implementing **JWT-based RBAC** and global error handling middleware to ensure high reliability and zero unauthorized access.

PROJECTS

LearnSphere AI   | Java 17, Spring Boot, React, MongoDB, Redis, LangChain4j, Judge0

2026

- Architected an AI learning platform with a roadmap generator, **Judge0**-powered coding arena, and mock interview system, generating personalized learning paths across **8–15** modules.
- Built a **RAG** tutoring system using **LangChain4j** and **Gemini** for context-aware PDF learning, plus an AI resume analyzer extracting and evaluating **20+** professional attributes.
- Developed a secure **Spring Boot** backend with **Spring Security** and **Redis**, reducing AI response latency by **85%** while supporting interchangeable Java and Node.js backends.

RecoSense   | Node.js, Express, MongoDB, LightFM, Groq API, Python, React

2025

- Engineered a hybrid recommendation system combining collaborative filtering and NLP-based sentiment analysis for content-aware personalization.
- Designed a scalable retraining pipeline with automated threshold triggers and demographic **cold-start handling** to ensure 100% new user coverage.
- Optimized API performance using MongoDB indexing and read-through caching, reducing latency by **40%**, and integrated a context-aware AI assistant leveraging product metadata and sentiment insights.

DriveSphere   | React.js, Node.js, Express.js, MongoDB, Redis, JWT

2025

- Architected a high-concurrency booking engine using **Redis distributed locks** and **MongoDB ACID transactions** to prevent peak-demand race conditions.
- Implemented an **idempotent API gateway** and Redis request gating to eliminate duplicate transactions caused by client-side network retries.
- Developed a **Node-Cron** lifecycle manager for state transitions and event-driven cache invalidation, reducing database compute load by **80%**.

ACHIEVEMENTS

- Data Structures & Algorithms:** Solved 600+ problems across LeetCode, GeeksforGeeks, and Code360.
- College Rank 1:** Secured first position 6 times in the monthly college Code360 coding leaderboard.
- Leadership:** Co-Lead for Hospitality at Abhisarga (College Fest), managing logistics for 200+ guests.