

# ATEEB ARMAN

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LeetCode

## EDUCATION

### Indian Institute of Information Technology, Sri City

B.Tech - Computer Science and Engineering

2022 – 2026

Sri City, Andhra Pradesh

## TECHNICAL SKILLS

**Languages:** C++, Python, JavaScript

**Core Subjects:** Data Structures & Algorithms, DBMS, Operating Systems, OOPs, Computer Networks

**Web Frameworks:** React.js, Node.js, Express.js, TailwindCSS

**Databases:** MySQL, MongoDB

**Tools:** Git, GitHub, Postman, Linux

**Security:** JWT, CORS, RESTful Architecture

## PROJECTS

### RecoSense | Node.js, Express.js, MongoDB, Python (LightFM), React

2025

- Architected a **hybrid recommendation engine** combining review-level signals and user interaction data to generate personalized top-N recommendations.
- Engineered a high-performance pipeline with **Node.js inference** for real-time results and a Python LightFM fallback for cold-start scenarios.
- Implemented a **counter-based trigger mechanism** to automatically re-run models based on interaction thresholds, ensuring result freshness.
- Built an admin dashboard to monitor system health, manually trigger inference runs, and inspect logs for reliability.

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

2025

- Developed a scalable car rental platform featuring **\*\*Role-Based Access Control (RBAC)\*\*** for admins and users, securing routes via JWT authentication.
- Optimized database performance by implementing **Redis caching** for frequently accessed vehicle inventory, reducing load on MongoDB.
- Designed RESTful APIs adhering to **MVC architecture** and integrated **Multer** for handling secure image uploads and storage.
- Documented API endpoints using **Swagger UI**, standardizing the backend interface for easier frontend integration and testing.

### WaveConnect | React.js, Node.js, MongoDB, Stream.io SDK, Socket.io

2025

- Built a real-time communication platform supporting 1-on-1 and group video calls using **Stream.io SDK** and WebRTC protocols.
- Integrated **TanStack Query** and **Zustand** for efficient global state management, handling optimistic UI updates for chat messages.
- Implemented robust backend logic for friend requests, user presence (typing indicators), and real-time notifications.

## 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:** Served as Co-Lead for Hospitality at Abhisarga (College Fest), managing logistics for 200+ guests.

## Extra-Curricular Activities

- Served as Co-Lead in Hospitality for Abhisarga, managing logistics for 200+ guests and coordinating a team of 15+ volunteers.
- Competed in three seasons of Spectra (IIIT Sri City sports fest), participating in 15+ matches and securing two championships.