

ATEEB ARMAN

Bahadurganj, Bihar

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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: 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.