

Amit Kumar

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LinkedIn

GitHub

LeetCode

🌐 Portfolio

Profile Summary

Full-Stack Developer with strong experience in the **MERN stack**, Django, and real-time systems using **WebRTC** and **Socket.io**. Skilled in building scalable, modular web applications supported by solid fundamentals in **DSA** (400+ problems), **DBMS**, **OS**, and **CI/CD**.

Developed production-focused projects including **Books Unbound** (Stripe, OAuth), **AI Interview Helper Bot** (Grok API, OpenAI STT), and a full-stack school management portal, demonstrating strong problem-solving, clean architecture, and end-to-end engineering capability.

Education

Indian Institute of Information Technology, Sri City
B.Tech in Electronics and Communication Engineering

Andhra Pradesh, India
CGPA: 7.79 / 10 (Expected 2026)

Technical Skills

- **Languages:** JavaScript (ES6+), C++, Python
- **Frontend:** React.js, Next.js (basic), Redux Toolkit, Tailwind CSS, HTML5, CSS3, Framer Motion
- **Backend:** Node.js, Express.js, Django, REST APIs, WebSocket, Socket.io
- **Databases:** MongoDB, PostgreSQL, MySQL
- **DevOps/Tools:** Git, GitHub, Docker (basic), Postman, Vercel, Render, CI/CD Pipelines
- **Cloud APIs:** Stripe, OAuth 2.0, Grok API, OpenAI STT, Multer
- **Core CS:** DSA, OOP, DBMS, OS, CN, Low-Level Design, System Design Basics

Experience

Rajasthan Government School — Freelanced Project
Full-Stack Development — Rajasthan, India

Aug–Sept 2025
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- Developed a full-stack school management portal using **React.js**, **Tailwind CSS**, **Node.js**, and **MongoDB**.
- Built core modules (Admissions, Faculty, Gallery, Achievements, Toppers) supporting 100+ student entries.
- Added secure file uploads with Multer and deployed with scalable CI/CD workflows.
- Delivered a responsive UI improving accessibility for rural school operations.

Full Stack Development Intern
Unified Mentor (Ed-Tech) — Remote

Feb–Apr 2025

- Built reusable, scalable UI components in **React.js** and integrated backend services for course workflows.
- Implemented **JWT-based authentication**, RBAC, and optimized **MongoDB** data schema for faster access.
- Reduced redundant API calls, improving system responsiveness by ~20%.

Projects

Books Unbound — E-commerce Platform *Tech: Node.js, Express, React.js, MongoDB, JWT, OAuth, Stripe, Redux, Tailwind* — [Code](#)

- Built a full-stack e-commerce platform enabling secure login (JWT + Google OAuth), product browsing, and checkout.
- Implemented **role-based access** with Admin workflows (inventory, pricing) and User workflows (cart, favorites, orders).
- Integrated **Stripe payments** and built a modern UI using Tailwind, Redux, and Framer Motion.

AI Interview Helper Bot *Tech: React.js, Express, MongoDB, Grok API, OpenAI STT, WebRTC* — [Code](#)

- Built an AI-driven interview assistant generating dynamic questions through the **Grok API**.
- Integrated **WebRTC** for real-time video/audio and **OpenAI STT** to convert responses into structured text.
- Designed efficient REST APIs with optimized MongoDB data flow for low-latency performance.

Event Management System *Tech: Django, SQLite, jQuery, HTML, CSS* — [Code](#)

- Developed a full-stack event management platform using **Django**, implementing event/category CRUD, authentication, and dynamic UI with jQuery.
- Built workflows for members, event tracking, and admin tools to streamline event planning and reduce manual overhead.

Certifications & Achievements

- Certified by DRDO for Software Engineering Internship.
- Solved **400+ DSA problems** across LeetCode and other platforms.