ABHAY KUMAR

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Education

Madan Mohan Malviya University of Technology 2023 – 2027
Bachelor of Technology in Computer Science and Engineering (current CGPA: 8.28) Gorakhpur, Uttar Pradesh

Experience

Zelosify Oct 2025 – Nov 2025
Position - SDE Intern

- Integrated a scalable, multi-tenant real-time notification system with in-app feed (Novu-Cloud) and optional FCM push into an existing application using Next.js, Node.js, Prisma, and PostgreSQL, adding user preferences, inbox/archive retention, and GDPR-compliant exports.
- Integrated a Vendor Openings & Candidate Submission module into an existing platform, enabling IT Vendor users to view contract openings, access detailed opening info, and securely upload/manage multiple candidate profiles with multi-tenant S3 storage, Prisma transactions, and pre-signed URLs, while maintaining tenant isolation, authorization, and adherence to existing frontend/backend architecture.

Projects

SOS Alert | *JavaScript, NodeJS, React, MongoDB, Web-SOCKET, Web-RTC* **July 2025**
Project Link: **Live Demo | GitHub Repository**

- Real-Time Media & Location Sharing: Enabled users to share live video and audio streams using WebRTC and Socket.IO. Broadcast real-time location using Google Maps API with full support for late viewer joining and live navigation directions.
- Dynamic SOS Form & Admin Dashboard: Built a responsive form to collect personal and medical details including Cloudinary-based image upload. Developed an admin panel to view user records and export data in CSV and PDF formats.
- Secure Authentication & Account Management: Implemented OTP-based signup and password setup for new users. Added JWT-protected login system along with password recovery and reset features via secure email links.
- Emergency Alerts & User Communication: Automatically sent SOS alerts to up to five emergency contacts with links to live tracking and media streams. Developed a Contact Us page to receive user queries directly via email using Nodemailer.

Train Tracker Website | *JavaScript, NodeJS, React, Express* **March 2025**
Project Link: **Live Demo | GitHub Repository**

- Live Train Running Status: Implemented real-time train tracking by integrating live location APIs for accurate updates on
- train movement.
- PNR Status (Under Development): Simulated PNR status checking feature using dummy data, designed to demonstrate back-end and frontend data flow in the absence of live APIs.
- Coach Layout (Under Development): Created a mock interface to display coach seating arrangements using sample data, laying the groundwork for full integration once APIs are available.
- User Interaction – Feedback Form: Developed a Contact Us form to collect user feedback and suggestions directly through the website.

Technical Skills

Programming Languages: C, C++, JavaScript, TypeScript, Python
Backend Development: Node.js, Express.js, REST APIs, Microservices Architecture, API Gateway, Service-to-Service Communication, Load Balancing, Event-Driven Architecture
Frontend & UI: React.js, Next.js, Tailwind CSS, HTML, CSS
Real-Time Technologies: WebRTC, Socket.IO, WebSockets
Databases: MongoDB, MySQL, PostgresSQL
DevOps & Cloud Tools: Docker, Docker Compose, CI/CD Pipelines (GitHub Actions), Containerized Applications, Version Control (Git, GitHub)
Tools & Integrations: Cloudinary, Google Maps API, Postman
Core CS Fundamentals: Data Structures & Algorithms (C++), Operating Systems, DBMS, Computer Networking, OOP, Basic System Design
Other Skills: Problem solving, debugging, teamwork, communication, analytical thinking

Achievements

- Secured **1763th** rank in **TCS Codevita Round – 2** and **2992th** rank in **TCS Codevita Round – 1** of **Season 13.**
- **CodeChef**: ★★★ (Max Rating: **1670**) – Profile
- **LeetCode**: Solved **480+** problems – Profile
- **Codeforces**: **Pupil** (Max Rating: **1268**) – Profile
- Secured **2nd** Rank in a **GitHub** event – Link

Extracurricular

- Chess.com Profile – Link