

Saurav Kumar Roy

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EDUCATION

Dalmia Public School

Class X, Percentage - 93.2

Till July 2020

Gujarat, India

Dalmia Public School

Class XII, Percentage - 93.4

July 2020 - July 2022

Gujarat, India

Indian Institute of Information Technology, Sri city

BTech in Computer Science and Engineering (CGPA:8.85 [Present])

Aug 2023 - Present

Chittoor, Andhra Pradesh, India

EXPERIENCE

Hostel Complaint Management System | IIIT Sri City

Dec 2025 – May 2026

- Developing a hostel complaint management system for **2000+ users** using the **MERN stack**, with a **multi-role architecture** supporting **7 user roles** (student, caretaker, warden, hostel_office, chief_warden, electrician, plumber) and **37 REST APIs** for authentication, complaint lifecycle and tracking.
- Designed complaint classification with **6 categories** and **4 severity levels** to standardize prioritization. Implemented an **automated escalation system** for unresolved complaints based on defined timelines.
- Engineered a complaint lifecycle pipeline using **4 states** and **5 confirmation states** for **closed-loop tracking**.
- Built an **Excel-based onboarding workflow** and enabled media-based complaint tracking using **Cloudinary + Multer**.

PROJECTS

OmniPrep 🌐 GitHub

May 2026 – Present

- Developed an AI-powered interview preparation platform using **Next.js, TypeScript, Express.js, PostgreSQL, Prisma, and Redis**, featuring **6 interview modules, 150+ DSA, System Design, Behavioural problems**.
- Engineered a scalable backend with **50+ REST APIs, JWT authentication, BullMQ workers, and Judge0** integration for secure multi-language code execution in **Python, Java, and C++**.
- Built a **Gemini 2.5 Flash**-powered evaluation pipeline delivering personalized feedback, topic-wise analytics, adaptive study plans, and interview reports across **DSA, System Design, Behavioral, and Mock Interview** modules.
- Implemented real-time mock interviews using **Socket.IO**, asynchronous AI processing with **Redis, Monaco Editor, Cloudinary**, and a role-based admin dashboard for analytics and content management.

CraveIt 🌐 GitHub

Dec 2025 – Apr 2026

- Designed and developed a full-stack food delivery platform using the **MERN stack** (MongoDB, Express.js, React.js, Node.js) with RESTful architecture, enabling a scalable multi-tenant system across **4 codebases** with role-based access for **users, admins, and delivery partners**.
- Implemented **2FA OTP-based authentication** using Nodemailer with dedicated auth flows (register/login + verify OTP), and integrated **Stripe** for secure and seamless online payment processing.
- Integrated **real-time tracking** and live-map integration in customer and delivery applications, leveraging **Socket.IO** with multiple event channels to enable live order updates and delivery visibility.
- Developed a robust **Node.js/Express backend** with **26 REST API endpoints** covering user, cart, food, order, and delivery modules, alongside a responsive UI with authentication, validation, and optimized workflows.

TECHNICAL AND SOFT SKILLS

Languages: C, C++, Java, JavaScript, TypeScript

Frameworks/Libraries: HTML/CSS, NodeJS, ReactJS, Redux, ExpressJS, NextJS, Tailwind CSS

Databases: MongoDB, MySQL, PostgreSQL

Developer Tools: Git, Github, VS Code, Postman, Redis, Prisma

Core Concepts: DBMS, Operating System, Object Oriented Programming (OOPS), Computer Networks, **System Design**

Soft Skills: Quantitative Analysis and Reasoning, Problem Solving

ACHIEVEMENTS

- Solved 600+ problems on LeetCode with a peak rating of 1795 [LeetCode 📄]
- GeeksforGeeks - 125+ problems solved with a Coding score of 346 [GeeksForGeeks 📄]