Raunak Kumar Jha

Gandhinagar Institute Of Technology

 raunak0400 | in raunak0400 | 🌐 imraunak.dev | ✉ contact@imraunak.dev | 📱 +91 777.907.2966

SUMMARY

Full Stack Developer with a strong foundation in frontend, backend, and DevOps practices.

PROJECTS

Hospital Medical Information System (HMIS) — [GitHub]
Tech: React (TypeScript, Vite), Django, PostgreSQL, Redis, Docker, Clerk, Chart.js

- Built a full-stack hospital management system with modules for patient management, billing, diagnostics, and pharmacy.
- Designed secure PostgreSQL schema and implemented CRUD operations for patients, staff, and appointments.
- Developed role-based authentication and access control using Clerk, ensuring data security and compliance.
- Integrated analytics dashboard with Chart.js for real-time reports on admissions, resource utilization, and inventory.
- Added notification system with SMS/email alerts for appointments and low-stock medicine alerts.
- Containerized services with Docker and deployed application on cloud with GitHub version control.

C2S – Commuter to Service — [GitHub]
Tech: Django, Django REST Framework, Django Channels, PostgreSQL, Redis, Docker, Nginx, WebSockets

- Developed a real-time public transport tracking system for tier-2 cities with live commuter management and bus tracking.
- Implemented multi-tenant architecture enabling multiple transport authorities to manage independent fleets.
- Built WebSocket-based communication (Django Channels) for instant commuter-driver updates and real-time trip logging.
- Designed PostgreSQL database with Redis caching for optimized performance and low-latency updates.
- Containerized services with Docker and deployed using Nginx as reverse proxy.
- Enhanced system reliability with authentication, session management, and bandwidth-optimized APIs.

EDUCATION

2024 - Present	Bachelor's In Computer Science at **Gandhinagar University**	(GPA: 9.5)
2024 - Present	Micro Credit program in CSE at **IIT Guwahati**	(GPA: 9.8)
2024	Class 12th, **CBSE Board**	(87% 📄)
2022	Class 10th, **CBSE Board**	(96% 📄)

SKILLS

- **Programming Languages:** C, C++, Python, JavaScript (ES6+), TypeScript, Java, Go, MATLAB
- **Frontend:** React.js, Next.js, Angular, Vue.js, Vite, HTML5, CSS3, TailwindCSS, Bootstrap
- **Backend:** Django, Django REST Framework, Flask, Node.js, Express.js, .NET
- **Databases:** MySQL, PostgreSQL, MongoDB, Redis
- **Data Visualization:** Chart.js, Matplotlib, Google Charts
- **DevOps:** Docker, Kubernetes, AWS, GitHub Actions, Git, Nginx
- **BaaS:** Firebase, Heroku, Supabase, Vercel
- **Tools & Testing:** VS Code, Figma, Cursor, Postman, Git, Linux, Selenium, Jest, PyTest
- **Additional Skills:** Data Structures & Algorithms, System Design, DevOps, IoT, Operating Systems