

Rajan Patel

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Education

I.K.G. Punjab Technical University

Bachelor of Technology in Computer Science

Aug. 2023 – June 2027

CGPA: 8.50/10

Experience

Small Fare™

Dec 2025 – Present

Backend Developer Intern | Node.js, Express, PostgreSQL, Prisma, Redis, Kafka, Docker

Hyderabad, Telangana

- Built scalable backend services for an event management and ticket booking platform - **Events Fare**.
- Implemented secure authentication, session mgmt with **Redis**, **role-based** access for users, organizers, admins.
- Developed modules include **event management**, **booking**, **ticketing**, **payments**, **wallet**, **loyalty**, and **notifications**.
- Used **Kafka** for async processing and **Docker** for **containerized** deployment.

Wyreflow Technology | CRTD Technology

July 2025 – Oct 2025

Full Stack Developer Intern | Node.js, Express, MongoDB, React.js

Bhopal, Madhya Pradesh

- Built **MERN-based** job and career guidance platform with **student**, **admin**, and **sub-admin** modules.
- Implemented secure authentication, job posting workflows, subscriptions, and **role-based** access control.
- Integrated and worked with backend services using **MERN**, **JWT**, and **Razorpay**

Projects

InVolv IN | Github

December 2025

Node.js, MongoDB, React.js, Redis, Leaflet.js, Zustand, Docker, Cloudinary, OSRM, Data AV, ML

- Developing a **nearest-store product discovery** multi role platform using **MERN**, **Redis**, **Leaflet**, and **OSRM** routing.
- Implementing **real-time inventory** visibility and **ML-based demand forecasting** for **Stock analytics**.
- Engineering a **scalable system architecture** with **Redis caching**, **session handle**, **high-frequency search** optimization.

Real-Time Device Tracker | Github | Demo

February 2025

Node.js, Express.js Socket.IO, Leaflet.js, EJS, Render

- Built a **real-time multi-device tracking system** using **Socket.IO**, for live location updates for unlimited devices.
- Integrated **Leaflet.js** maps to **render device pins** and continuously update latitude-longitude changes.
- Implemented **bi-directional real-time communication** and deployed the platform on **Render**.

E-Commerce | Github | Demo

December 2024

MongoDB, Express.js, React, Node.js, Redis, Razorpay, Tailwind CSS, Zustand, Cloudinary

- Developed **full-stack e-commerce platform** featuring an admin dashboard, product management (CRUD), and a secure checkout flow integrated with **Razorpay API**.
- **Optimized performance** using **Redis** to implement high-speed data caching for frequently accessed categories and product listings, significantly reducing database query latency.
- Implemented **security** including **JWT-based authentication** with refresh tokens, **HTTP-only cookies**, and **Role-Based Access Control** for admin-only dashboards.

Technical Skills

Languages: C++, JavaScript, TypeScript, Python, SQL (MySQL, PostgreSQL), HTML/CSS

Frameworks/Libraries: React.js, Node.js, Express.js, React Native, Zustand, Framer Motion

Backend/Cloud: MongoDB, Redis, Prisma, Kafka, Firebase, Docker

AI/ML & Data: Machine Learning, Jupyter Notebook, Scikit-learn, Pandas, NumPy

Developer Tools: Git, Postman, Android Studio, VS Code, REST APIs, Cron

Relevant Coursework

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|-------------------|-----------------------|---------------------------|-------------------------|
| • Data Structures | • Machine Learning | • Artificial Intelligence | • Systems Design |
| • Cloud Computing | • Database Management | • Computer Networks | • Computer Architecture |

Achievements

- **LeetCode:** Solved **180+ problems**, demonstrating strong proficiency in Data Structures & Algorithms.
- **HackMol 6.0** and **PSB Hackathon-2025** for building high-impact MVPs.
- Completed Training in **Machine Learning** via **IIT Madras Pravartak**, focusing on predictive modeling.
- Served as **T&P Cell Coordinator** and **Core Member of E-Cell**, managing campus recruitment and startup initiatives.