

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.