

Om Patel

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EDUCATION

Indian Institute of Information Technology Vadodara | *B.Tech in Information Technology*

2022 – 2026

B.Tech in Information Technology **CGPA: 8.37/10.00**

EXPERIENCE

Virtual Coders Pvt. Ltd. | *Web Developer Intern*

May 2024 – July 2024

- Developed and optimized RESTful APIs with improved response times and better error handling
- Set up backend validation, middleware, and logging for robust request handling and improved security.
- Implemented JWT-based authentication and designed different web page views and access levels

PROJECTS

AI SaaS Application | *GitHub*

- Built a full-stack AI SaaS platform using React, Express.js, and Clerk for authentication and Neon as a database.
- Developed features for articles, blog titles, image generation, background/object removal, resume review, and community, integrating Google Gemini and ClickDrop APIs.

Chat Application | *GitHub*

- Developed a chat application using React.js, Node.js, and MongoDB, with secure JWT authentication for user sessions.
- Integrated Socket.io for seamless, bi-directional communication.
- Implemented Redis Pub/Sub Socket.IO adapter for horizontally scalable, consistent real-time events while enhancing reliability and security with Arcjet rate limiting (100 requests/60s).

PostScraper | *GitHub*

- Developed a scalable, community-driven job discovery platform that crowdsources LinkedIn post scraping from users, performed locally on their machines to significantly reduce server load. Used Fuse.js for semantic and efficient keyword-based search, React for the frontend, Node.js for the backend, and Supabase as the cloud database.
- Implemented a “give-and-take” community contribution architecture where each user enriches the job database by scraping posts, enabling a self-scaling ecosystem that grows with every contribution .

SKILLS

- **Programming Languages:** Java, C++, Javascript
- **Libraries & Frameworks:** React.js, Node.js, Express.js
- **Tools/Database:** Postman, MySQL, MongoDB
- **Concepts:** DSA, DBMS, OOPS, Operating System

EXTRA-CURRICULAR ACTIVITIES

SSIP (Student Startup and Innovation Policy) | *Committee Member*

Jan 2024 – Jan 2025

- Played a major role in the planning and organization of workshop sessions of SSIP Cell
- Facilitated the identification and outreach to guest speakers for the event

Enigma Club | *Committee Member*

July 2024 – March 2025

- Contributed to organizing events and increasing student participation in the club
- Proposed and actively worked on setting up an interactive challenge to engage new students and increase their participation

ACHIEVEMENTS

- **Smart India Hackathon 2024 Finalist** | Certificate
Worked on Problem Statement 1659: Built a Data Duplication Alert System for INCOIS (Indian National Center for Ocean Information Services)
- **LeetCode: Knight (1850)** | Profile1 - om_patel | Profile2 - om_rajani
- **Codeforces: Pupil (1255)** | Profile - om_rajani