

MOHAMMED RUPAWALA

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Career Objective

Full Stack Developer with a strong focus on backend engineering, passionate about building reliable, scalable systems and delivering clean, efficient solutions that power great user experiences.

Technical Skills

Languages: JavaScript, TypeScript, Python, C++, SQL, HTML/CSS

Technologies: Express JS, Node JS, FastAPI, React JS, Tailwind, Supabase

Tools: Vs Code, Docker, Git, GitHub

Experience

Indian Institute of Technology Indore

Jul 2025 – Dec 2025 (Ongoing)

Software Development | Internship

Remote

- Developed an AI-powered Learning Management System with role-specific workflows for Admin, Faculty, and Students.
- Integrated AI chatbots tailored for each role to enhance support and engagement.
- Built a real-time notification system to streamline updates across users.
- Implemented on-demand, subject-wise PDF generation leveraging AI for quick access to course content.

Projects

MindSync | *React, Tailwind, FastAPI, TypeScript, PostgreSQL, Redis, LangChain*

Apr 2025

- * AI-powered journaling platform enabling users to write journals with sentiment analysis and vector embeddings for intelligent retrieval.
- * Implemented secure authentication using cookies, ensuring privacy and seamless user experience.
- * Integrated an AI chatbot that leverages embeddings and Server-Sent Events (SSE) to deliver fast, context-aware responses from past journals.
- * Live at: mindsync.cvercel.app

WatchBox | *React, Node.js, Express, MongoDB*

Sep 2024

- * Developed a full-stack video platform for uploading and discovering content.
- * Optimized large file handling using Multer middleware and Busboy for stream processing.
- * Implemented REST APIs for video management with efficient metadata handling.

Education

Adani University

Ahmedabad, Gujarat, India

B.Tech in Information and Communication Technology

Aug 2022 – Present

St. Xaviers High School

Ahmedabad, Gujarat, India

GSEB

Aug 2021 – 2022

Hackathons

Hackspire: Finalist (Top 5), Adani University

Apr 2025

Odoo Hackathon: Final Round, Gift City, Gujarat

Jul 2025

Competitive Programming

LeetCode: 1550

Codeforces: 1200