Pratham Patel

A Software Engineer

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EDUCATION

CVM University   VV Nagar, Gujarat, India
Bachelors of Engineering in Computer Engineering, 9.10 CGPA   *2021 – 2025*

EXPERIENCE

Full-Stack Engineer Intern   May 2024 – June 2024
Logic Cube IT Pvt. Ltd.   *Ahmedabad, Gujarat*

- Worked in a team of 5 engineers to develop Nest.js and Next.js based Full-Stack CMS platform where I developed the notice module.
- Contributed to code reviews in frontend codebase built using Next.js Typescript. Fixed bugs that were causing platform to crash.

PERSONAL PROJECTS

Google Flights Microservices - LINK

- Engineered an innovative Microservice Architecture for an Airline booking backend optimized for performance and scalability leveraging Node.js, Express.js and MySQL with Sequelize ORM.
- Prepared a detailed design documentation before initiating the project, outlining the architectural blueprint and key functionalities of the Microservice architecture based Airline booking backend.
- Developed key features such as request authorization, flight management, reminder services, rate limiting, API gateway integration.

QuickChat - A Messaging Platform - LINK

- Built a web-based messaging platform-QuickChat, leveraging Node.js event-driven architecture and React.js.
- Implemented end-to-end encryption for all messages with AES-256 and utilized JWT authentication for user security.
- Configured to restrict access to specific user groups, such as students from a particular college or university, enabling anonymous chatting with others.

CitizenVoice - LINK

- Created CitizenVoice, a QR Code Based Citizen Feedback System exclusively for Gujarat Police.
- Sole developer on the project, designed and developed a full-stack web application using the MERN Stack with a responsive front-end in just 10 hours.
- Presented at the SSIP 2.0 Vibrant India hackathon 2023, where 4 out 5 jury members commended the implementation with improvements that can be done.

TECHNICAL SKILLS

Languages: Java, Javascript, Typescript

Libraries/Frameworks: React, Next, Node, Express, Nest, Mongoose, Sequelize, Prisma

Developer Tools: Git Version Control, GitHub

Databases: MongoDB, MySQL, PostgreSQL

Additional: Familiar with RESTful API design, Microservices architecture, Azure App Services