

# Pratham Patel

## A Software Engineer

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## EDUCATION

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### CVM University

*Bachelors of Engineering in Computer Engineering, 9.10 CGPA*

VV Nagar, Gujarat, India

2021 – 2025

## WORK EXPERIENCE

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### Full-Stack Engineer Intern

*Logic Cube IT Pvt. Ltd.*

May 2024 – June 2024

*Ahmedabad, Gujarat*

- Collaborated with a team of 5 engineers to develop a microservices architecture-based full-stack CMS platform.
- Developed high-performance APIs using Nest.js, TypeScript, and MongoDB with Prisma ODM.
- Fixed bugs on front-end that were causing the platforms to crash and security bugs that were leaking the sensitive information.

## PERSONAL PROJECTS

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### Google Flights Microservices - [LINK](#)

- Engineered a scalable microservice architecture for an airline booking backend using Node.js, Express.js, and MySQL with Sequelize ORM, supporting up to 500 requests per second.
- Implemented key features such as user authentication, request authorization, flight search, booking management, reminder services, and rate limiting.
- Integrated API gateway for centralized management ensuring reliable performance.

### CollegeConnect - A Messaging Platform - [LINK](#)

- Developed a full-stack web-based messaging platform using TypeScript with Node.js, Express.js, PostgreSQL with Prisma ORM, and React Typescript, handling up to 1000 concurrent users.
- Implemented real-time messaging with Socket.io, achieving sub-second message delivery and real-time typing indicators.
- 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 a QR Code Based Citizen Feedback System for Gujarat Police using the MERN stack, handling thousands of feedback entries efficiently, developed in just 7 hours.
- Presented at the SSIP 2.0 Vibrant India hackathon 2023, where 4 out of 5 jury members commended the implementation.
- Implemented OTP-based authentication and feedback monitoring.

## TECHNICAL SKILLS

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**Languages:** Java, Javascript, Typescript

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

**Developer Tools:** Git Version Control, GitHub, Postman

**Databases:** MongoDB, MySQL, PostgreSQL

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