

Kushal Rathod

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Professional Summary

Frontend-focused Full Stack Developer and third-year B.Tech CSE student with experience building **scalable, performance-oriented web applications** using **React, Next.js, TypeScript, and Node.js**. Strong understanding of frontend architecture, component-driven design, RESTful APIs, authentication workflows, state management, and database-backed systems, with exposure to startup environments and open-source development.

Education

Ahmedabad University

Jul 2023 – Present

B.Tech in Computer Science and Engineering (CSE)

- GPA: **3.22 / 4.0**

Experience

Frontend Intern

Remote – Ahmedabad

Club Duelz

Sep 2025 – Present

- Refactored client-side data fetching across **multiple core components** using **TanStack Query**, improving caching efficiency and reducing redundant API requests.
- Implemented user profile image validation using **NSFW.js** to automatically block inappropriate uploads before storage.
- Built reusable API service layers with **Axios interceptors**, centralizing error handling and standardizing requests across the frontend.

Web Development Intern

Ahmedabad

Bijoi

May 2025 – Jun 2025

- Fixed routing, navigation, and search issues, improving site stability and user experience.
- Collaborated closely with founders to translate product requirements into deployable features.

Projects

CodeCoach

github.com/codecoach

- Built an open-source daily practice platform used by **100+ registered users** for personalized competitive programming practice.
- Designed a recommendation pipeline leveraging user preferences, activity history, and Codeforces datasets to generate daily problem sets.
- Integrated **Redis-based caching** to store solved problems and recommendations, reducing repeated external API calls.

InvoiceeAI

github.com/InvoiceeAI

- Developed an AI-powered invoice management platform with secure authentication.
- Enabled natural language invoice creation with automated PDF generation and email delivery.
- Implemented REST APIs using **Node.js, MongoDB, and Mongoose** to manage invoices, users, and access roles.

Skills

Programming Languages: Python, C++, JavaScript, TypeScript, HTML, CSS

Frontend: ReactJS, NextJS, Tailwind CSS, Bootstrap, Responsive Design, Zustand, TanStack Query

Backend: NodeJS, ExpressJS, REST APIs, NextAuth, MongoDB, Prisma, Redis

Tools: Git, GitHub, Postman, VS Code, LaTeX

Achievements

- Secured **first place** in WMC 5.0 as part of *Los Santos Elite*.
- Secured **Top 20 rank out of 180+** teams at the Ingenious 7.0 Hackathon.