

Khushbu Patel

+91 9727552887 | khushburpatel06@gmail.com

LinkedIn | GitHub | Leetcode | Portfolio

SUMMARY

Motivated Computer Science Engineering student with strong fundamentals in full-stack development. Experienced in building scalable web applications using React, Node.js, Express, Spring Boot, and MySQL. Skilled in designing secure APIs, implementing rate limiting, and developing real-time analytics dashboards.

PROJECTS

CodeQuery – Developer Q&A Platform | React, Node.js, Express, MongoDB [GitHub](#) • [Live](#) • [Demo](#) • [Docs](#)

- Built a full-stack MERN Developer Q&A platform with secure JWT authentication, role-based access control, and scalable RESTful APIs for questions, replies, notifications, and search.
- Developed an AI-powered moderation system using Groq LLM to automatically detect spam, abusive, and toxic content, with an automated strike-based user blocking mechanism.
- Implemented backend security and moderation features including bcrypt password hashing, custom rate limiting, and an admin dashboard for flagged-content review, analytics, and user management.

API Rate Limiting & Monitoring Dashboard | Next.js, Spring Boot, REST APIs [GitHub](#) • [Demo](#) • [Docs](#)

- Built a full-stack API rate limiting and monitoring dashboard using Next.js and Spring Boot.
- Implemented scalable rate limiting using hierarchical rules (API_KEY > USER > GLOBAL) with sliding window logic.
- Developed real-time analytics dashboard with live request logs, status tracking (200/429), and interactive charts.
- Designed interactive UI with API testing panel and live request monitoring.

Appointment Booking System | Java, JSP/Servlets, MySQL [GitHub](#) • [Demo](#) • [Docs](#)

- Developed a full-stack healthcare appointment booking platform with user authentication, doctor management, and appointment scheduling features.
 - Built separate patient and admin dashboards for booking, tracking, cancelling, and updating appointment statuses.
 - Designed a normalized MySQL database with foreign key relationships to maintain data integrity across users, doctors, and appointments.
 - Implemented server-side business logic using Java Servlets, JSP, JDBC, and deployed the application on Apache Tomcat.
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SKILLS

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|---|-------------------------------|
| • Languages: Java, C/C++, JavaScript | • Database: MySQL, MongoDB |
| • Frontend: React.js, Next.js, HTML, CSS | • Tools: Git, GitHub, Postman |
| • Backend: Spring Boot, Node.js, Express.js, JSP/Servlets | • Core CS: OOP, DSA, DBMS |
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EDUCATION

B.Tech in Computer Science & Engineering

Aug 2024 – Present

CodingGita X Rai University

CGPA: 9.04

CERTIFICATIONS

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|---|---|
| • Cloud Computing – NPTEL Verify | • Problem Solving (Basic) – HackerRank Verify |
| • JavaScript (Basic) – HackerRank Verify | • React (Basic) – HackerRank Verify |
| • JavaScript (Intermediate) – HackerRank Verify | • CSS (Basic) – HackerRank Verify |