

# Khushbu Patel

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LinkedIn | GitHub | Leetcode | Portfolio

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## 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.

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## 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.

### MindBloom | React, Node.js, Express, MongoDB [GitHub](#) • [Live](#) • [Demo](#) • [Docs](#)

- Built a full-stack mental wellness platform with authentication, habit tracking, mood logging, and community interaction features.
  - Implemented secure JWT-based authentication and protected REST APIs for user data management.
  - Designed scalable backend APIs for tracking habits, moods, posts, and reward systems.
  - Developed an intuitive UI for real-time user engagement and personalized mental health tracking.
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## SKILLS

- Languages: Java, C/C++, JavaScript
  - Frontend: React.js, Next.js, HTML, CSS
  - Backend: Node.js, Express.js, Spring Boot
  - Database: MySQL, MongoDB
  - Tools: Git, GitHub
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## EDUCATION

### B.Tech in Computer Science & Engineering

Aug 2024 – Present

CodingGita X Rai University

CGPA: 9.81

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## CERTIFICATIONS

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