Nimish Rao

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Technical Skills

- **Languages/Frameworks:** Java, Spring Boot, React, SQL, JavaScript

- **Tools:** Git, Docker, CI/CD, REST APIs, MySQL, PostgreSQL

Education

VIT Bhopal University — Bhopal, MP
B.Tech Computer Science Engineering with spec. in AIML - 8.08 CGPA — *Sept. 2022 – June 2026*

Sai Shree International Academy — Ratlam, MP
Class-XII - 81.8% — *April 2020 – May 2021*

Sai Shree International Academy — Ratlam, MP
Class-X - 91% — *April 2018 – July 2019*

Project

AI-Powered Personal Finance Manager
Java, Spring Boot, Spring Security, JWT, PostgreSQL — *GitHub link*

- Developed a full-stack web application that analyzes transaction data to auto-track expenses across **10+ categories** and monitor recurring subscriptions.
- Engineered a rule-based AI engine to detect redundant subscriptions and spending spikes, cutting manual expense review time by **40%**.
- Implemented secure, stateless authentication with **Spring Security + JWT** and containerized deployment using **Docker** for consistent builds in under 2 minutes.

Chat Application
Java, Spring Boot, MySQL, HTML, CSS, REST API — *Github link*

- Built a real-time chat system using **Java, Spring Boot**, and **WebSockets (Spring STOMP)** for instant message delivery.
- Implemented **Spring Security** to secure chat endpoints and improve backend reliability and response time.
- Optimized message handling with a persistent storage layer, improving **data throughput by 30%**.
- Structured the backend to support multiple chat rooms and private messaging with **scalable architecture**.
- Improved real-time data flow and message retrieval speed by **25%**, enhancing overall user responsiveness.

Document Approval Workflow
Spring Boot, PostgreSQL, JWT, WebSockets — *Github link*

- Built a multi-step document approval system with automated notifications and audit tracking, improving simulated approval efficiency by up to **70%**.
- Designed REST APIs and task endpoints that enabled **50% faster** simulated approval cycles and provided real-time status visibility using **WebSockets**.

Certifications

Learn Java: Beginner to Advanced — Udemy
HTML, CSS, and JavaScript for Web Developers — Coursera

Additional Highlights

- Solved **200+** coding problems on LeetCode & GFG.

- Secured **1757th rank** in **CodeClash – The Battle of Logic & Code**.

- Spearheaded a team of five volunteers for VITB MUN 24, securing venue sponsorships and enhancing event accessibility.

- Active contributor on GitHub with projects focused on **backend systems, REST APIs, and database-driven applications**.

- Proficient with Agile development methodologies.

- Enthusiastic about scalable microservices, system design, and AI integration.