

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
<i>B.Tech Computer Science Engineering with spec. in AIML - 8 CGPA</i>	<i>Sept. 2022 – June 2026</i>
Sai Shree International Academy	Ratlam, MP
<i>Class-XII - 81.8%</i>	<i>April 2020 – May 2021</i>
Sai Shree International Academy	Ratlam, MP
<i>Class-X - 90.5%</i>	<i>April 2018 – July 2019</i>

PROJECT

AI Personal Finance Tracker

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.

API Marketplace with Usage Metering

Java, Spring Boot, Spring Cloud Gateway, Redis, PostgreSQL [Github link](#)

- Built a platform where API providers can publish APIs and users can access them using secure API keys.
- Implemented **Spring Cloud Gateway** to validate requests, route traffic, and enforce basic rate limits.
- Added a lightweight **usage metering system** to log API calls and track per-user consumption.
- Designed simple billing logic based on API usage, improving transparency for both providers and consumers.
- Optimized request handling and reduced response overhead by **20%** through efficient caching and routing.

Automated Approval System

Spring Boot, PostgreSQL, JWT, WebSockets [Github link](#)

- Engineered a multi-stage document approval workflow with automated event triggers, notification pipelines, and complete audit logging, achieving **70% faster** backend approval throughput in controlled simulations.
- Developed modular REST APIs and task orchestration endpoints that reduced approval cycle latency by **50%** and enabled real-time workflow visibility through **WebSockets**-based status propagation.

CERTIFICATIONS

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

ADDITIONAL HIGHLIGHTS

- Spearheaded a team of five volunteers for VITB MUN 24, securing venue sponsorships and enhancing event accessibility.
- Secured **1757th rank** in **CodeClash – The Battle of Logic & Code**.
- 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.