

HIMANSHU MISHRA

Software Engineer | Backend and AI Systems

Bengaluru, India | +91 7260954097 | mishra00.11himanshu@gmail.com

himanshumishra.site | github.com/Himanshu-prog-hub | linkedin.com/in/himanshu-mishra-0b2795191

PROFILE

Software Engineer II with 3.5+ years building Java/Spring Boot backend systems and enterprise REST APIs in production. At Serko, built LLM-integrated features including a Policy Compliance Agent and API Readiness Evaluator; developed a RAG-based document Q&A system as a personal project using Python, LangChain, and ChromaDB. Domain: IATA NDC, corporate travel (GetThere).

EXPERIENCE

Software Developer II | Serko (GetThere) | Bengaluru Jan 2025 - Present

- Designed and shipped two LLM agents at Serko: a Policy Compliance Agent (travel policy parsing + live flight filtering, enabling real-time compliance checks during booking flow) and an API Readiness Evaluator (OpenAPI YAML -> agent-compatibility score).
- Built and extended 5+ enterprise booking workflows in Spring Boot and Struts; designed Oracle SQL schemas; evaluated Redis (sub-100ms cache) and Kafka async event streaming for booking-notification pipelines.
- Collaborated with cross-functional teams to design the system architecture for extending GetThere to support additional passenger type codes, maintaining backward compatibility across client configurations.
- Led a team of 4 engineers on pre-release performance validation, running JMeter test suites before each release to ensure all performance metrics were within defined thresholds.
- Drove NDC enhancements across seat map rendering and branded-fare attributes; wrote a Python utility automating Lombok injection across 200+ Java classes, cutting boilerplate by 14% and saving ~3 engineer-days.

Software Developer II | Sabre Travel Technologies | Bengaluru Jan 2023 - Jan 2025

- Integrated NDC dynamic fare options into the GetThere platform via REST APIs, expanding ancillary service visibility for corporate travel clients.
- Rearchitected Jenkins CI/CD pipelines cutting release cycle time by 15% and failure rate by 5%; established JMeter load-testing practice reducing API response times by 5% under peak load.
- Authored comprehensive JUnit and Mockito unit and integration test suites across all delivered features throughout the lifecycle.

Software Engineering Intern | Deloitte | Bengaluru May 2022 - Jul 2022

- Built an internal analytics dashboard with Google OAuth authentication and a timestamp-based versioning layer, improving audit traceability by 10%.

Software Engineering Intern | Appinventive | Noida Jul 2022 - Aug 2022

- Refactored inter-service communication across a microservices platform, streamlining 5 workflows and reducing API latency by 20%.

PROJECTS

AskMyDoc: RAG Document Q&A | Python, FastAPI, LangChain, ChromaDB, OpenAI, React

- RAG pipeline for multi-document Q&A: PDF ingestion with semantic chunking, OpenAI embeddings in ChromaDB, hybrid retrieval (semantic + keyword), GPT-4 generation with source attribution, and RAGAS evaluation for answer quality.

AI Second Brain | Claude Code, Obsidian, Python, Markdown

- AI-powered knowledge system: automated ingestion of Obsidian notes, semantic linking, and a Claude-powered interface for retrieving and synthesising knowledge across linked clusters.

Personal Portfolio | React, Next.js, Tailwind CSS, Vercel, GitHub API

- Full-stack portfolio with SSR/CSR rendering and live GitHub contribution data, deployed via Vercel CI/CD.

EDUCATION

B.Tech in Computer Science and Engineering | Manipal Institute of Technology

CGPA: 8.32 / 10.0 | 2019 - 2023

TECHNICAL SKILLS

Languages: Java, Python, TypeScript, JavaScript, SQL, PL/SQL

Backend and Frontend: Spring Boot, Spring, Struts, REST APIs, FastAPI, Flask, Node.js, React.js, Next.js, Tailwind CSS

AI and GenAI: Anthropic Claude, OpenAI, Gemini/Vertex, LangChain, ChromaDB, RAG, Agentic Orchestration, Prompt Engineering

Cloud and DevOps: GCP, Docker, Kubernetes, GitHub Actions, Jenkins, GitLab CI/CD, Vercel

Databases: PostgreSQL, MongoDB, MySQL, Oracle SQL, Redis, ChromaDB

Architecture: System Design (HLD and LLD), Microservices, Apache Kafka, Event-Driven Architecture, Distributed Systems

Testing: JUnit, Mockito, JMeter, Postman, Integration Testing, Load Testing

Certifications: [Docker](#) | [Neural Networks](#) | [Flutter Development](#)