

Mrudula Ghanekar

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SUMMARY

Software Engineer with 4+ years of experience developing backend services and AI-powered business applications using Java, Spring Boot, React, and GCP. Experienced in designing and integrating OpenAI APIs for workflow automation, and deploying cloud-based solutions. Strong foundation in OOPS, data structures, and practical system architecture with a focus on writing maintainable, production-ready code.

TECHNICAL SKILLS

Programming: Java, Python, JavaScript

Backend: Spring Boot, REST APIs, JWT Authentication

Frontend: React.js, HTML, CSS

Databases: MySQL, BigQuery

Cloud & DevOps: Google Cloud Platform (GCP), CI/CD

AI & Automation: OpenAI API Integration, Prompt Engineering, Workflow Automation

Core Concepts: OOPS, Data Structures (Arrays, Strings, HashMaps), Basic System Design

PROFESSIONAL EXPERIENCE

Wipro Technologies

Senior Project Engineer

2025 – Present

- Leading backend feature development for AI-powered automation systems used in enterprise workflows.
- Designing and reviewing REST APIs to ensure scalability and maintainability.
- Mentoring junior engineers and conducting code reviews to maintain code quality standards.
- Supporting cloud deployment and production releases on GCP.
- Collaborating with cross-functional teams in Agile environment to deliver end-to-end solutions.

Project Engineer

2021 – 2025

- Developed backend services using Spring Boot for enterprise-grade applications.
- Integrated OpenAI APIs to automate internal workflows, contributing to ~40% improvement in operational efficiency.
- Designed and implemented RESTful APIs for cloud-based tools and internal platforms.
- Worked closely with frontend teams to ensure secure and efficient API integrations.
- Participated in full development lifecycle from requirement analysis to deployment and post-production support.

PROJECTS

AI-Powered Influencer Management Platform

- Built an AI-driven application integrating OpenAI APIs for automated content analysis and recommendation features.
- Developed backend APIs using FastAPI and connected them with a React frontend.
- Implemented embeddings-based similarity logic to improve content matching accuracy.
- Deployed application on GCP for cloud accessibility and testing.

Tech Stack: Python, FastAPI, React.js, GCP, OpenAI API

AI Resume Analyzer

- Developed AI-powered resume feedback tool leveraging OpenAI APIs.
- Applied prompt engineering techniques to improve response relevance and clarity.
- Built REST APIs to support real-time frontend interaction.

Tech Stack: Java, React.js, OpenAI API

EDUCATION

M.Tech – Software Systems
BITS Pilani | 2022 – 2025

Bachelor of Computer Applications (BCA)
MIT World Peace University | 2018 – 2021