

MRUDULA GHANEKAR

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SUMMARY

Senior Software Engineer with 4+ years of experience delivering scalable, high-performance enterprise and AI-powered applications. Proven expertise in backend engineering, distributed systems, and full-stack development using Java, Python, JavaScript, React, Spring Boot, and .NET. Strong record of driving automation, improving production stability, and delivering measurable business impact.

EDUCATION

M.Tech — Software Systems | BITS Pilani (2025)

Focus: Distributed Systems, Advanced Software Architecture, Scalability Engineering, Cloud-Native Systems

PROFESSIONAL EXPERIENCE

Wipro Ltd. | 2021 – Present

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Senior Project Engineer | 2025 – Present

- Led the design and development of **scalable, cloud-native microservices and web applications** leveraging the **Google Cloud ecosystem (GCP)** for high availability, reliability, and performance.

- Architected and delivered **React-based frontend applications** integrated with cloud-hosted backend services and APIs, ensuring responsive UI and seamless user experience.
 - Implemented **automation-first solutions** using **CI/CD pipelines, Docker, and GCP services**, reducing manual operational effort by **30–40%** and accelerating release cycles.
 - Built and optimized **Google App Script-based automations** for workflow orchestration, data processing, and system integrations, significantly improving business productivity.
 - Improved application performance and stability by optimizing API interactions, introducing **caching strategies**, and enforcing **clean, scalable architecture patterns**.
 - Served as a **technical mentor and reviewer**, guiding engineers on React best practices, cloud-native design, and production-ready coding standards.
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Project Engineer | 2022 – 2024

- Developed and enhanced **web-centric, microservices-based applications** with a strong focus on **React, JavaScript, REST APIs, and cloud deployments**.
 - Designed and implemented **frontend-heavy features** aligned with real-world product requirements, ensuring modular, reusable, and maintainable UI components.
 - Integrated applications with **GCP services** for hosting, authentication, logging, and monitoring, enabling secure and observable production system
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Graduate Engineer Trainee | 2021 – 2022

- Built a strong foundation in **web technologies, RESTful APIs, cloud fundamentals, and scalable application development**.
 - Contributed to **production web applications** early in the role, supporting frontend features, API integrations, and cloud-based deployments.
 - Quickly transitioned from training to **billable project work**, recognized for rapid learning, ownership, and consistent delivery.
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KEY ACHIEVEMENTS & MILESTONES

- Progressed from **Graduate Engineer Trainee** → **Project Engineer** → **Senior Project Engineer** within 4 years.
 - Delivered **production-grade applications** used by enterprise clients with stringent performance and security requirements.
 - Played a key role in stabilizing production systems through proactive monitoring, refactoring, and architectural improvements.
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PROJECTS

AI-Powered Influencer Management System | [Live Demo](#)

- Designed a responsive AI platform for **influencer tracking, analytics, and campaign insights**.
- Built using **React, Node.js, MongoDB, and OpenAI APIs**.
- Automated data processing and campaign workflows, reducing manual effort for marketing teams.

AI-Powered Digital Marketing Agency Platform | [Live Demo](#)

- Developed an AI-driven system to **automate marketing campaign creation and management**.
- Tech stack: **React, Flask, Python, AI/ML APIs**.
- Improved operational efficiency by automating repetitive campaign planning tasks.

Resume Analyzer (AI Tool) | [Live Demo](#)

- Built an AI-based resume analysis tool providing **real-time improvement suggestions**.
- Implemented responsive UI with **React** and backend logic in **Python** using **OpenAI APIs**.

Mobile Phone E-Commerce Platform (Clone) | [Live Demo](#)

- Developed a full-featured e-commerce application with **product search, cart, and checkout flows**.
- Tech stack: **React, Redux**.

Chess Web Application | [Live Demo](#)

- Built a real-time chess game with **live move validation** and interactive gameplay.
 - Implemented using **React and WebSockets**.
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TECHNICAL SKILLS

Languages: Java, Python, JavaScript

Frontend: React, Redux, HTML, CSS

Backend: Spring Boot, .NET, Flask, Node.js

Databases: MongoDB, Firebase

Cloud & DevOps: Docker, Kubernetes, CI/CD, Git, **Google Cloud Platform (GCP)**

Architecture & Concepts: Distributed Systems, Microservices, REST APIs, OOP, DSA, System Design, Sequence Diagrams

AI & Automation: AI/ML Integrations, OpenAI APIs, Workflow Automation

INTERESTS

Backend Engineering • Distributed Systems • Cloud-Native Architecture • AI-Powered Applications