

Ganesh Mane

Pune, Maharashtra, India

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Summary

Java & Spring Boot Developer specializing in **backend systems, microservices, and scalable API development**. Built and deployed 5+ production-grade applications with measurable performance improvements. Strong foundation in **DSA, Algorithms, and System Design**. Ranked in the **Top 1% on GeeksforGeeks** (700+ problems). Experienced leader as **Technical Head - ITSA (2024)**.

Projects

Retail POS System

(Spring Boot, React, MySQL, Razorpay, Docker)

A secure, full-stack billing and inventory management system for retailers with end-to-end authentication and payment integration.

- Built RESTful services using **Spring Boot**, **Spring Security**, and **Spring Data JPA**, ensuring secure access and efficient database operations.
- Integrated **Razorpay Payment Gateway** for real-time transactions and containerized the system using **Docker** for easy deployment.
- Utilized **Spring Cloud Config** and environment-based profiles to enable scalable multi-store setup.
- Optimized **MySQL queries** and caching strategies to handle 100+ daily transactions with 30% faster response time.

AI-Powered Messaging App

(MERN, Redis, Socket.IO, Gemini API)

A real-time chat platform enhanced with **Google Gemini Pro** for intelligent message generation and responses.

- Developed the backend using **Node.js**, **Express.js**, and **MongoDB** for robust, scalable API handling.
- Implemented live communication with **Socket.IO** and optimized message delivery using **Redis Pub/Sub**.
- Integrated **Gemini API** to generate AI-based responses and summarize chat contexts dynamically.
- Designed a responsive UI with **React** and **Tailwind CSS**, supporting over 1K concurrent users.
- Deployed using **Docker Compose** and configured CI/CD via **GitHub Actions** for smooth delivery.

Experience

Cyber Security Intern - CDAC (Remote)

Dec 2024 – Feb 2025

Centre for Development of Advanced Computing (C-DAC), Noida, India

- Automated large-scale log processing workflows using **Python** and **Java**, improving efficiency by 40%.
- Designed rule-based **data processing pipelines** and optimized **alert-generation logic**, reducing anomalies by 25%.
- Worked with high-volume system logs and real-time data flows to **analyze system behavior**.

Education

SGGSIE&T (Government Aided Autonomous Institute)

Nanded, MH

B.Tech in Information Technology – CGPA: 8.15/10

2023 – 2026

Government Polytechnic, Pune

Pune, MH

Diploma in Computer Engineering – 90.33%

2020 – 2023

Technical Skills

Languages: Java, Python, C, C++, JavaScript (ES6), SQL

Frameworks: Spring Boot, React, Node.js, Express.js, Socket.IO

Databases: MySQL, PostgreSQL, MongoDB, Redis

Tools: Docker, Git, Azure, GCP, Kafka

Concepts: REST APIs, Microservices, DSA, OOP, Agile, System Design

Certifications & Leadership

- **Technical Head - ITSA:** Organized coding events; led club to Best Performer award.
- **Wireless Security Bootcamp - IIT Hyderabad:** Practiced WPA2 cracking and WiFi security.

Competitive Programming Profiles