SUDARSHAN GONDALWAD

Email: **sudarshangondalwad@gmail.com**
Phone: **9423293088**
https://www.linkedin.com/in/gondalwad

SUMMARY

I am Software Developer with strong knowledge of Object-Oriented Programming (OOP) and system-level programming. Experienced in developing high-performance applications and tools for efficient file and server management. Passionate about optimizing algorithms Java.

EDUCATION

- **MCA** - IMED Bharti Vidyapeeth Deemed to be University, Pune. **CGPA: 8.48 (2025)**
- **B.Sc. IT** - Dr. G.Y. Pathrikar College of CS & IT (MGM University). **CGPA: 8.16 (2023)**

SKILLS

Programming Languages: Java, JavaScript
Frameworks & Tools: Spring, Spring Boot, Spring Data JPA, Hibernate, Maven, Docker, JDBC, Git (Version Control), React JS, gRPC, Kafka,
Databases: SQL (MySQL), NoSQL (MongoDB)
Software Development Concepts: Project Management, OOP, Design Patterns (Singleton, Factory, Observer), SOLID Principles, microservices.

WORK EXPERIENCE

MDI NetworX - Trainee Software Engineer (Nov 2024 – March 2025)

- Worked on a Java-based application integrating with external APIs to automate large-scale data retrieval, improving efficiency and reliability. Implemented Java File Handling for structured storage and management of retrieved data.
- Developed a **Spring Boot + React.js** application enabling server navigation, real-time data fetching, and monitoring through a user-friendly interface. Gained hands-on experience in API integration, concurrency, backend–frontend communication, and error handling, contributing to production-ready solutions.

PROJECTS

Code-Cluster : A competitive programming platform || GitHub :- https://github.com/Gondalwad/Code-Cluster
Developed CodeCluster, a distributed code execution system that securely compiles and runs user-submitted code in isolated Docker containers.
• Developed a Submission Service to accept code via REST API and publish execution jobs to Kafka.
• Implemented an Execution Service that consumes jobs, spins up Docker containers, runs test cases, and streams results.
• Implemented factory design pattern to generate docker container dynamically based on programming language.
• Built API service to retrieve execution outputs, errors, and job statuses la.
• Integrated Problem Service with MySQL to manage coding problems and testcase files for automated evaluation.
• Ensured secure sandboxing by enforcing CPU/memory/time limits in containers.
• Used API Gateway (Spring Cloud Gateway) for routing and unified entry point across all the services.
• Designed a Kafka-based event-driven architecture enabling horizontal scaling of executor nodes.
• Tech stack: Java, Spring Boot, Spring Data JPA, Kafka, gRPC, Docker, Spring Cloud Gateway, MySQL.