

# RISHAV KUMAR JAIN

969-205-3101 [Gmail](mailto:Gmail) [LinkedIn](#) [GitHub](#)

## Education

### NIT, Jamshedpur

2021-2024

Master of Computer Application (CGPA: 8.00 / 10.00)

Jamshedpur, Jharkhand

- Relevant Coursework: Data Structures and Algorithms (C++), Java, Operating System, System Design.

## Experience

### Tata Consultancy Services

Sep 2024 - Sep 2025

#### Software Engineer

Bhubaneswar, Odisha

- Developed sub-part of the existing core banking module using **Core Java** based interface, Enhanced modularity and integration with **Spring Boot** services.
- Played a key role in increasing **RESTful API** performance on Spring Boot application by tuning request handling and response time.
- Increased backend scalability by containerizing Spring Boot services using **Docker** and deploying **Nginx** as a simple load balance – increased response time by 25%.
- Acquired experience in **test automation**, developing and maintaining test models (using Conformiq) performed with **Robot Framework** integrated with Jenkins that resulted in a 25% decrease of defects after each release.
- Utilized Scrum methodologies with **Jira and Confluence** – participating in sprint cycles, grooming and daily stand up meetings – resulting in **15%** faster delivery cycle.
- Demonstrated foundational knowledge of the payment domain, particularly card payments, along with practical experience working in Agile environments.

## Projects

### Distributed Job Scheduler- Spring Boot | Java, Thread, MySQL, SpringBoot | GitHub

- Designed a backend scheduler using Spring Boot with **ThreadPoolExecutor** to process jobs concurrently via REST APIs.
- Implemented a **round-robin dispatch** strategy to distribute tasks evenly across thread workers.
- Persisted job metadata and execution status in MySQL for tracking and recovery.
- Containerized with Docker and integrated with NGINX for scalable, balanced request routing.

### Dynamic Load-Balanced Request Routing System | Java, Spring Boot, Nginx | GitHub

- Designed and developed a backend system using Spring Boot to handle concurrent requests across multiple ports, simulating a scalable distributed architecture.
- Configured and deployed **Nginx** as a load balancer to distribute incoming traffic efficiently across multiple backend instances.
- Implemented multi-threaded request handling and optimized routing logic, resulting in a **30% reduction in server load** and improved system throughput.

## Technical Skills

Languages : C/C++, Java, Javascript, Linux

Technologies : ReactJS, Spring Boot, Maven

Cloud Databases : MongoDB, SQL

Tools & Platforms : IntelliJ IDEA, Postman, VS Code

DevOps & Tools : Docker, Nginx, GitHub, Jira, Confluence, Robot Framework

Core Concepts : Data Structures and Algorithms, Object-Oriented Programming (OOPs), System Design, DBMS

## Achievements

- Solved Problems on platforms like **LeetCode** and **GeeksforGeeks**.
- Qualified for the national-level coding competition **TCS CodeVita**.
- Achieved **993rd rank out of 19,000+ participants** in **LeetCode Biweekly Contest 116**.
- Secured an **All India Rank of 457** in the **NIMCET** national-level entrance exam .
- Qualified for the **Maths Olympiad** during Class 10.