

Sai Pavan Shankar Saggurthi

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SUMMARY

Computer Science graduate with backend development experience. Seeking opportunities in Operations Engineering to apply technical skills in production environments and learn incident management practices.

PROJECTS

Ride-Sharing Application

Java, Design Patterns, Linux

- Developed a ride-sharing platform with a driver-rider matching system using Factory and Strategy design patterns
- Used Dijkstra's algorithm for shortest route calculation between pickup and drop points
- Integrated logging to monitor API response times and enhance performance insights
- Automated deployment workflows using custom Bash scripts

Library Management System

Java, Spring Boot, MySQL, Docker

- Created database schema managing 1000+ book and member records with normalized tables
- Developed REST APIs for book checkout, returns, and member registration with transaction handling
- Set up Docker containers and wrote a CI/CD pipeline using GitHub Actions
- Monitored database connection pools and query execution times to identify slow queries

Online Banking System

Java, Spring Boot, MySQL, Spring Security

- Set up Spring Security with role-based access and BCrypt for password hashing
- Created runbook for common issues like failed transactions and database connection timeouts
- Tracked application uptime and wrote Bash scripts to alert when services went down

TECHNICAL SKILLS

Languages: Java, SQL, JavaScript

Frameworks: Spring Boot, REST APIs

Databases: MySQL (queries, joins, transactions, indexing)

Tools: Docker, Git, GitHub

EDUCATION

Ramachandra College of Engineering

B.Tech in Computer Science and Engineering, CGPA: 8.2/10

Eluru, Andhra Pradesh

Nov 2021 – May 2025

ADDITIONAL INFORMATION

Solved 250+ problems on LeetCode focused on data structures and algorithms

Completed Java Programming Masterclass (Udemy) and Web Development course (Infosys Springboard)

Familiar with on-call processes, incident escalation, and writing postmortem reports