

Rohith Dorishetty

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Hyderabad, India

Professional Summary

Backend-focused Full Stack Developer with expertise in building scalable REST APIs and enterprise applications using Java and Spring Boot. Proficient in database design, optimization algorithms, and system architecture. Experienced in developing end-to-end solutions with clean code principles, integrating Machine Learning models for intelligent features, and optimizing application performance. Strong foundation in data structures, algorithms, and modern development practices.

Technical Skills

Programming Languages: Java, Python, SQL, JavaScript

Frontend: HTML, CSS, JavaScript, React

Backend: Spring Boot, REST APIs, Microservices Architecture

Database: MySQL, Database Design, Query Optimization, Transaction Management

Tools & Technologies: Git, GitHub, Power BI, Tableau, Maven

Core Concepts: Data Structures & Algorithms, Object-Oriented Programming, System Design, API Design, Optimization Techniques, Clean Code Architecture

Projects

Intelligent Tour Guide & Itinerary Planner | Java, Python, K-Means, TSP Algorithm, MySQL

- Engineered an intelligent itinerary optimization system using K-Means clustering to group tourist attractions by proximity and Travelling Salesman Problem (TSP) algorithms to generate optimal multi-stop routes
- Designed and implemented a greedy nearest-neighbor algorithm with dynamic programming optimization, achieving 35-40% reduction in total travel distance and time compared to unoptimized routes
- Developed data-driven recommendation engine that analyzes user preferences, historical visit patterns, and real-time constraints to generate personalized itineraries with 90% user satisfaction rate
- Architected scalable backend with RESTful API endpoints handling concurrent requests, integrating MySQL database for efficient storage and retrieval of location metadata and user profiles

Enterprise Movie Ticket Booking System | Java, Spring Boot, MySQL, REST APIs

- Architected and developed a full-stack booking platform with multi-layered backend architecture implementing MVC pattern, service layer abstraction, and DAO pattern for clean code separation
- Designed normalized relational database schema with 8+ interconnected tables handling movies, theaters, showtimes, seats, bookings, and payments with referential integrity and optimized indexing
- Implemented RESTful API endpoints with comprehensive CRUD operations, input validation, exception handling, and transaction management ensuring data consistency across concurrent bookings
- Built payment simulation module with state machine logic for booking workflows, integrated seat locking mechanism to prevent race conditions, and implemented session management for cart persistence

Education

Bachelor of Technology in Computer Science & Data Science Engineering

2022 – 2025

Marri Laxman Reddy Institute of Technology and Management

Hyderabad, India

- Relevant Coursework:** Data Structures & Algorithms, Database Management Systems, Operating Systems, Software Engineering, Object-Oriented Programming

Certifications

Java Programming Masterclass – Udemy

React JS – The Complete Guide – Udemy

Data Visualization: Empowering Business with Effective Insights – Forage (Tata Group Virtual Experience)