Sai Pavan Shankar Saggurthi

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SUMMARY

Computer Science graduate skilled in full-stack development with expertise in Java, Spring Boot, REST APIs, and SQL. Strong foundation in data structures, algorithms, and microservices architecture. Proven ability to build scalable applications through multiple projects including CRM systems, ride-sharing platforms, and search engines.

EDUCATION

Ramachandra College of Engineering   Eluru, Andhra Pradesh
B.Tech in Computer Science and Engineering   *Nov 2021 – May 2025*

TECHNICAL SKILLS

Languages: Java, SQL, JavaScript, HTML/CSS
Frameworks : Spring Boot, Spring Framework, REST APIs, Microservices
Databases: MySQL, SQL
Concepts: OOP, Data Structures, Algorithms, Design Patterns, System Design
Tools: Git, Maven, Postman, IntelliJ IDEA

PROJECTS

Ride-Sharing Application   *Java, OOP, Design Patterns, Graph Algorithms*

- Engineered a ride-booking system serving using OOP principles and design patterns (Factory, Strategy, Singleton)
- Implemented graph algorithms for shortest path calculation and heap data structures for efficient nearest driver allocation
- Reduced ride matching time by 40% through optimized data structures and algorithms

Library Management System   *Java, Spring Boot, REST APIs, MySQL*

- Developed microservices-based management system handling books, users, and transactions with RESTful APIs
- Designed and optimized relational database schema supporting 10,000+ records with efficient queries
- Implemented CRUD operations and transaction management with proper error handling

Online Banking System   *Java, Spring Boot, MySQL, Spring Security*

- Built secure banking platform with account management, fund transfers, and transaction history features
- Implemented authentication and role-based access control using Spring Security
- Ensured data protection through input validation and secure password hashing

YouTube Transcript Summarizer   *Java, NLP, REST APIs*

- Developed application that extracts and summarizes YouTube video transcripts using NLP techniques
- Reduced content consumption time by 70% through automated summarization

ACHIEVEMENTS

Solved **250+ coding problems** on LeetCode, focusing on algorithms and data structures

Regular participant in coding contests and hackathons, achieving top 20% rankings

Built 4+ end-to-end Java applications demonstrating full-stack development capabilities

CERTIFICATIONS

Java Programming Masterclass - Udemy

Web Development Specialization - Infosys Springboard