

Manasa Sambaraju

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EDUCATION

University of South Florida Master of Science in Computer Science & Engineering (GPA:3.85)	08/2022 - 05/2024 Tampa, FL
Kakatiya Institute of Technology & Science Bachelor of Technology in Computer Science & Engineering (GPA:3.5)	08/2017 - 05/2021 Warangal, India

PROFESSIONAL EXPERIENCE

Jabil Software Engineering Intern	05/2023 - 05/2024 St. Petersburg, FL
<ul style="list-style-type: none">Developed a scalable in-house web client for IBM TM1 using Java for robust back-end services, efficiently serving thousands of users across multiple global sites with high performance and reliability.Implemented various subsystems in the TM1 web client using REST API for real-time synchronization, React for components, and SQL stored procedures for efficient data management.Streamlined inter-company financial processes, automated reporting, and integrated Python scripts for complex calculations, saving over 50 man-hours monthly, significantly enhancing operational efficiency.Conducted finance service management operations on Jira, overseeing incident tracking and service request fulfillment to optimize operational efficiency and streamlining workflows.	
Cognizant Technology Solutions Programmer Analyst	07/2021 - 07/2022 Kolkata, IND
<ul style="list-style-type: none">Engineered robust APIs using Spring Boot to enable diverse functionalities, concurrently contributing to streaming solutions with Kafka and leveraging MySQL for the database infrastructure.Led the transition from SOAP to REST API for MetLife and optimized SQL stored procedures, resulting in a 40% increase in data processing efficiency and improved user satisfaction.Developed powerful components for data retrieval and input validation by executing HTTP requests to a back-end server, utilizing React for highly responsive client-side operations by ensuring server-side integration.Compiled technical documentation, worked with cross-functional teams, and employed Agile methodologies to drive feature development, enhancing software quality and team collaboration.	
Krishni Network Software Engineer Intern	05/2020 - 06/2021 New Delhi, IND
<ul style="list-style-type: none">Developed a web application for a fertilizer sales platform using Java with Spring Boot framework for back-end, integrated React for front-end functionality, ensuring effective system performance and seamless user experience.Completely refactored the central admin dashboard with secure payment modules, facilitating smooth transactions and enhancing user experience, while utilizing SQL for efficient database interactions and seamless integration.Improved fertilizer ordering process, fostering efficient supply chain management, resulting increase in 50% sales and enhanced accessibility enhancing the agricultural ecosystem.Deployed the web application using AWS cloud services such as EC2, S3, and RDS, ensuring scalability, reliability, and cost-efficiency, thus optimizing the infrastructure for enhanced performance and user experience.	

TECHNICAL SKILLS

Languages: Java8, SQL, Python3, Javascript, C#
Frameworks: Spring Boot, Spring MVC, React, Angular
Cloud/Databases: AWS, MySQL, PostgreSQL, MongoDB
Other: Apache Kafka, Git, Pega PRPC, Maven, Jenkins, TCP/IP, Docker, Kubernetes, Postman
Certification: Certified Pega System Architect 8.6

PROJECTS

USFdb – RDBMS Java	08/2023 - 12/2023
<ul style="list-style-type: none">USFdb is a custom relational DBMS completely built from scratch using Java 16.Implemented essential SQL commands select, update, delete and complex operations like outer and inner joinsB+ Tree Indexes are implemented to effectively index the data and Primary Key support is enabled.	