T SUSMITHA

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CAREER OBJECTIVE

A passionate and motivated Computer Science professional with a proven track record of solving complex problems. My experience as an Application Developer has equipped me with a deep understanding of full-stack development, cloud technologies, and modern DevOps practices. I am seeking a Software Engineer role to leverage my skills and passion for building efficient and elegant software solutions.

EDUCATION

Texas A&M University, Commerce — Jan 2024 - Dec 2025
Master of Science in Computer Science, GPA: 3.9/4.0

Sree Vidyanikethan Engineering College, Tirupati — June 2018 - June 2022
Bachelor of Technology in Information Technology, CGPA: 8.75/10

SKILLS

Programming Languages & Frameworks: C, C++, Java, Python, JavaScript, SQL, HTML5, CSS3, Springboot, React.js, Node.js
Databases: MySQL, MongoDb, SQL Server
Cloud & DevOps: AWS, Microsoft Azure, REST APIs, DevOps, Docker, Kubernetes, CI/CD
Other Skills: Student Mentoring, Performance Optimization, Technical Documentation, Leadership & Management, Student advisory, Problem Solving, Adaptive Learning, Leetcode, Agile
Core Concepts & Course Works: Data Structures and Algorithms, Object Oriented Programming, SDLC, AI using Python, Networking, Information Security, Algorithm Design, Database Systems, Data Analysis and Visualization, Research & Literature

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WORK EXPERIENCE

Graduate Assistant | East Texas A&M University, Commerce — Sept 2024 - Present

- Collaborated with faculty on course materials, proctored and graded assignments/exams and provided personalized feedback.
- Assisted students in courses like Algebra, Calculus, Statistics, Data Structures, Database Systems.
- Used tools such as Google Collab Notebook, VisualStudio code, Git, GitHub for the research.

Application Development Associate | Accenture — Dec 2022- Dec 2023

- Developed and deployed microservices like CatalogServices, OrderManagementSerives using Java, Spring Boot, Node.js, and MongoDB, enhancing system scalability and modularity.
- Developed REST APIs using Spring MVC, automated tasks with Azure Functions, and improved business logic with custom rules and validation flows.
- Containerized applications with Docker to ensure consistent local environments, enhancing team productivity.
- Implemented CI/CD pipelines with Jenkins and Azure DevOps for faster and reliable software releases.
- Led source control and code integration in Git, ensuring collaboration and quality.
- Worked on orchestrating and monitoring services using Kubernetes, ensuring efficient workflow execution & System Stability.

Web Development Intern | The Sparks Foundation — Oct 2020 - Nov 2020

- Developed a web application with a flexible UI for financial transactions using Python, integrating APIs for real-time updates.
- Creating the database to store the data of the customers and the transactions using Phpmyadmin-XAMPP server(MySQL).
- Also worked on improving UI/UX elements to ensure a seamless user experience and application performance.

PROJECTS

Research Project on Student Drop-Out Prediction | Random Forest, XGBoosting ML models, Google Colab, Python

- Developed a machine learning model to predict student dropout rates using Python, Pandas, and Scikit learn. Analyzed real-time data collected from the University and Kaggle resources such as student academic performance, attendance, and socio-economic factors, achieving high accuracy of 98% in identifying at-risk students.

Library Management System Application | Java Application

- Developed an object-oriented Java application for managing library operations, including book inventory, issuance, and returns. Optimized book search functionalities using hashmaps and arrays, improving retrieval efficiency

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ACCREDITATIONS & LEADERSHIP

- Attended the 2nd International Conference on Computational Sciences and Modeling, Computing and Soft Computing (CSMCS 2022) to present my research paper on "A Novel Hybrid Approach for Intrusion Detection System".
- Took ownership of Cart and Checkout Management module in a microservices project at Accenture, guiding peers through design and deployment; recognized by project leads for proactive problem-solving and initiative.
- Assisted in onboarding new developers by hosting walkthroughs and code reviews; acknowledged by the manager for improving ramp-up time and fostering a collaborative environment.
- Built a personal tech portfolio showcasing initiative, leadership, and real-world development skills.