

SUSMITHA T

+1(430)-280-3554

susmithat50@gmail.com

linkedin.com/in/susmithachowdarythirumala

CAREER OBJECTIVE

Hardworking and motivated Computer Science graduate student from Texas A&M University-Commerce, graduating in December 2025. I have 1.2 years of experience in IT industry as an Application Developer and 1 year as a Graduate Assistant. I am seeking a Software Development Engineer (SDE I) role to apply my coding skills and problem-solving mindset while gaining deeper experience in full-stack development, DevOps and collaborative software engineering.

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, Node.js

Databases: MySQL, MongoDB, SQL Server

Cloud & DevOps: AWS, Microsoft Azure, Azure DevOps, Docker, Kubernetes

Other Skills: Student Mentoring, Performance Optimization, Technical Documentation, Leadership & Management, Student advisory, Problem Solving, Adaptive Learning

Core Concepts & Course Works: Data Structures and Algorithms, Object Oriented Programming, CI/CD, SDLC, AI using Python, Machine Learning, Networking, Information Security, Algorithm Design, Database Systems, Data Analysis and Visualization

WORK EXPERIENCE

Graduate Assistant | 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.

Application Development Associate | Accenture

Aug 2022- Dec 2023

- Designed and built microservices using Java, Spring Boot, Node.js, and MongoDB, enhancing system scalability and modularity.
- Containerized applications with Docker and managed deployments with Kubernetes, improving operational agility by 30%.
- Implemented CI/CD pipelines with Jenkins and Azure DevOps for faster and reliable software releases.
- Led source control and code integration in Git/Bitbucket, ensuring collaboration and quality.
- Developed REST APIs, automated tasks with Azure Functions, and improved business logic with custom rules and validation flows.
- 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 | 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 Universities 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

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 a key backend 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.