

Akshanth Mamidala

+13149439240 | akshanth.mamidala3@gmail.com | <https://www.linkedin.com/in/akshanthm> | github.com/itsthekidash3 | Austin,Tx

Summary

Passionate about contributing to enterprise-scale software solutions by bridging technical expertise with business value.

Education

Belhaven University Master of Science (MS), Information Technology Management Coursework: Project Management, Leading Productive Teams, Disaster Recovery, Financial Analysis.	Jackson, MS August 2025 GPA: 3.3 /4
Missouri University of Science and Technology Master of Science (MS), Computer Science Coursework: Database Systems, Machine Learning, Cloud and Big Data Management.	Rolla, MO May 2024 GPA: 3.4/4
Keshav Memorial Institute of Technology Bachelor of Technology (B.Tech), Computer Science Coursework: Design and Analysis of Algorithms, Data Structures, Java Programming, Web Technologies, Operating Systems.	Hyderabad, India May 2022 GPA: 3.2/4

Work Experience

SYFT AI Software Engineer intern - Built interactive UI components for the beta Chrome extension and web app using React, Next.js, and TypeScript , improving load times and overall responsiveness during user testing. - Refined core user flows and onboarding screens, helping the team reduce friction points identified in early beta feedback . - Integrated backend APIs and ML-powered endpoints into the frontend to deliver real-time product insights inside the extension. - Contributed to multiple production-ready builds on Vercel and AWS , supporting faster release cycles for internal testers. - Collaborated through Git/GitHub with rapid feature branches and code reviews, improving code quality across the frontend.	Dallas, Tx Oct 2025 – present
Dallas AI Full-Stack Developer - Implemented Retrieval-Augmented Generation (RAG) workflows using Sentence Transformers, PyPDF2, and ChromaDB , enabling users to search political platforms and bills with over 90% retrieval precision . - Built and integrated the React.js front-end with AI agents and multi-LLM pipelines (Ollama) via FastAPI , improving bill prediction accuracy by 83% . - Designed responsive React.js UI components to display semantic search results from ChromaDB and AI-generated summaries in real time, reducing user query-to-response time by 47% . - Gained hands-on experience in LLM orchestration, embeddings, and Docker-based deployment , contributing to a scalable, production-ready solution.	Dallas, Tx May 2025 – Aug 2025
Missouri S&T System Support Analyst - Analysed and documented current IT processes and technologies, identifying areas for improvement and implementing solutions that increased operational efficiency by 25%. - Imaged, configured, installed, and troubleshot Windows, macOS, and Linux workstations, hardware drivers and software applications, ensuring systems were secure, up to date, and functioning optimally. - Provided cloud backup and restoration services for staff files, leveraging the university’s cloud architecture for efficient data management and security. - Managed incoming requests via Help Desk systems (Cherwell) , documenting solutions, escalating complex issues, and ensuring timely resolution of technical problems. - Used remote access software to diagnose and resolve issues efficiently, minimizing downtime for Customers .	Rolla, MO. May 2023 - Apr 2024

Projects

Workgram - Developed a scalable web app linking students with niche local workshops, growing to over 1,000+ users. - Integrated AWS services to manage cloud hosting and media content while maintaining secure data operations. - Optimized backend queries and React rendering performance, reducing load time by 30%	Tech Stack: React.js Node.js MongoDB AWS.
Twitter Data Analysis - Designed a scalable data processing pipeline to analyze user trends and tweet patterns from the COVID-19 Tweets dataset. - Leveraged MapReduce and HBase to identify user creation trends, screen name patterns, and hashtag-specific tweet insights. - Enabled efficient distributed querying, optimizing analysis time by over 40% for large-scale datasets.	Tech Stack: Java Hadoop MapReduce HBase
Trading Titans - Built a gamified stock market simulation allowing users to react to dynamic news and market events with virtual investments. - Engineered full-stack architecture with responsive UI in Streamlit, ensuring real-time updates and data integrity. - Completed and deployed the MVP within a 36-hour sprint, demonstrating rapid prototyping and effective time-bound problem-solving.	Tech Stack: Python SQLite Streamlit Gemini API

Certifications

AWS certified Solutions Architect – Associate	Excerpted Dec 2025
AWS certified cloud practitioner	Issued May 2025
Certified Dell Technician	Issued Dec 2023

Skills

Languages: Python JavaScript Java SQL C#	Version Control: GitHub VS code	Databases: SQL Server PostgreSQL MongoDB KDB
Front-End Technologies: React.js HTML CSS	Back-End Technologies: Node.js Flask	ML platforms: TensorFlow Pytorch
Operating Systems: Windows Linux	Cloud Platforms: AWS (EC2, Lambda)	Soft Skills: Communication Problem-Solving Cross Func