

Syed Kazmi

smjkazmi14@gmail.com | linkedin.com/in/syed-kazmi14/ | github.com/syedkazmi14 | syedk.dev

EDUCATION

Bachelor of Science in Computer Science
The University of Texas at Dallas, Richardson, TX

December 2026
GPA: 3.6

WORK EXPERIENCE

IBM Austin, TX
Software Developer Intern May 2026 – Present

- Developing backend and orchestration workflows for enterprise **AI agents** using watsonx Orchestrate.
- Collaborating with senior engineers on production-grade **agent pipelines, API integrations, and internal tooling.**

Infosys Richardson, TX
Software Engineer Intern May 2025 – July 2025

- Built a **full-stack** AI advisor platform for Infosys iCETS, supporting autonomous **agentic** interactions and real-time demo playback using **LangGraph, React, and Flask.**
- Implemented **Retrieval-Augmented Generation (RAG)** pipeline using **Amazon Bedrock Titan** embeddings and **ChromaDB**, improving semantic demo matching accuracy by **25%** compared to baseline LLM responses.
- Built **RESTful** and **WebSocket APIs** for conversational flow handling, enabling bidirectional communication between the **React** frontend and **LangGraph**-based backend **agent.**
- Integrated **AWS Transcribe** to automatically process demo videos stored in **S3**, extracting transcripts and enriching **ChromaDB** entries for **semantic** retrieval.

Metropak, LLC Richardson, TX
IT Technician March 2024 – May 2025

- Automated order processing workflows by developing a RESTful **API gateway** with Saltbox API in partnership with Vision33, reducing manual data handling steps by **30%** and cutting order fulfillment times significantly.
 - Maintained **SQL**-backed systems and **VMware server** infrastructure, sustaining **99.9%** uptime for critical applications.
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PROJECTS

Disaster Detection Model
Full-Stack Developer

- Implemented backend alerting and notification workflows using **FastAPI, Celery, Redis, Gemini API, and PostgreSQL**, enabling asynchronous crisis processing, user preference matching, and email alerts.
- Integrated APIs supporting geospatial visualization and analytics, ensuring structured incident data (severity, location, timestamps) was delivered to the **Next.js** and **Mapbox frontend** for live maps and trend dashboards.

Axxess Hackathon 2024 | TeleKinetics, AI Challenge 1st Place
Back-End Developer

- Built a **Flask**-based web application that analyzes recorded physical therapy exercise videos using pose estimation, **MoveNet** via **TensorFlow**, extracting body keypoints frame-by-frame to evaluate form quality.
 - Implemented server-side video processing and joint-angle analysis against reference pose data, achieving **85%** accuracy in detecting form deviations and earning **1st place** out of **19** teams.
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TECHNICAL SKILLS

Programming: Python, Java, C++, JavaScript, TypeScript, SQL, Bash/ Shell Scripting

Frameworks/ Libraries: Flutter, Angular, PyTorch, Flask, React, HuggingFace, LangChain, FastAPI, Pandas

Cloud/ DevOps: AWS, GCP, Docker, Kubernetes, CI/CD, GitHub Actions, Azure, Linux, Terraform

Software: Figma, SAP, Jira, Linear, Power BI, Postman, Microsoft Dynamics, Sharepoint, Git

ORGANIZATIONS

Association for Computing Machinery, *Events Officer, Manager, Competitor*, University of Texas at Dallas August 2023 – Present
Dallas Formula Racing, *Member*, University of Texas at Dallas August 2022 – December 2023