Akeem Mohammed
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EDUCATION

University of Texas at Dallas — Dallas, TX
Master of Science in Computer Science — *Fall 2025*
- *Cumulative GPA: 3.78*

Texas Tech University — Lubbock, TX
Bachelor of Science in Computer Science; minor in Mathematics — *Fall 2023*
- Rich Engineering Scholarship — *2022 – 2023*

WORK EXPERIENCE

Bank of America — New York City, NY
Global Technology Summer Analyst Intern — *June 2023 – Aug 2023*
- Collaborated on end-to-end ETL process with Data Technology team utilizing Autosys for efficient loading, monitored logs via secure SSH tunnel Putty Unix.
- Employed Teradata Studio for optimized data file management, enhancing storage efficiency.
- Validated cash advance and foreign check data in Teradata Studio (development mode) for quality.
- Executed targeted data visualization via SQL queries, ensuring high data quality in the ETL process.

Texas Tech University Advanced Technology Learning Center — Lubbock, TX
Lead Student Technician III — *Nov 2022 – Dec 2023*
- Initiated the idea of having students work during the weekends to have necessary students during peak usage time.
- Collaborated on an inactivity script, automating user logout after a designated period of computer inactivity.
- Led team of 5 to supervise school computers, mobile laptops and computers daily.

Lead Student Technician II — *May 2021 – Nov 2022*
- Supervised 43 campus printers to ensure high uptime and proper functioning.
- Networked at least 57 computers onto Texas Tech University's intranet running programmed scripts.
- Utilized Quest KACE software to transmit patches and upgrade vulnerabilities through the KACE servers.

PROJECT EXPERIENCE

Citi ICG Technology Software Development Job Simulation on Forage — Remote
Forage Virtual Experience — *July 2024*
- Completed a job simulation involving hypothetical tasks to improve Citi's loan management system and stock market risk reporting.
- Created a state diagram of the loan management process using the Unified Modeling Language (UML).
- Researched potential machine learning systems to assess credit risk and provided recommendations for next steps.
- Used java to build an internal tool visualizing stock market risk in real time.

Extended Reality for Software Development — Tallahassee Florida
Florida State Masters Project with professor Sonia Haiduc — *Jan 2024 – May 2024*
- Researched and developed methods for rendering 2D diagrams into immersive 3D representations using XR technologies.
- Explored image recognition techniques using C# to understand and develop algorithms for automated image recognition.
- Experimenting with prefabs in Unity to develop and showcase 3D diagrams, optimizing game object management for effective visualization and interactive exploration.

Paper Trading App — Lubbock, TX
Capstone Project — *Sept 2023 – Dec 2023*
- Partnered with senior classmen to build a risk-free trading platform as our final year project using figma to build UI/UX mockups.
- Built the stock watchlist and stock portfolio models with Django framework plus the stock search feature with Alpaca.
- Integrated streaming market data from the Alpaca API for real-time trading simulation.

Ecommerce Website — Lubbock, TX
Personal Project — *Sept 2021 - Dec 2023*
- Built a digital marketplace application aimed at a customer base comprising brick and mortar stores undergoing financial trouble during the COVID-19 pandemic.
- Configured Stripe for payments processing infrastructure, ReactJS and Redux for frontend and NodeJS for backend development, MongoDB as a storage and analytical service.

Fake News Detector — Lubbock, TX
HackWesTX Hackathon Project — *Sept 2022 - Dec 2022*
- Develop a Deep learning program to identify when an article might be fake news.
- Used Python and LSTM model architecture for NLP classification.
- Utilized cross-validation techniques and evaluation metrics such as accuracy, precision, recall, and F1-score to validate the effectiveness of the LSTM-based classification model for fake news detection and analysis.

Red Wine Quality Final Class Project — Lubbock, TX
Computational Thinking with Data Science Class — *May 2022*
- Created logistic regression model to evaluate wine quality using chemical attributes and sensory data.
- Innovated a user-friendly interface for diverse physicochemical input, streamlining wine qualities assessment.
- Achieved a notable 90% accuracy score using logistic regression to analyze physicochemical properties.

Tech Stack: Python, NumPy, Seaborn, Pandas

Chat Bot — Lubbock, TX
Artificial Intelligence Project Project — *May 2021*
- Developed a conversational, rule-based chat bot that provides responses to queries about my current professional information.
- Applied TFLearn to create and train models rapidly and Softmax activation for predictive output responses.
- Utilized NumPy to numerically store chat bot intents in a one hot encoding format used by the model.

CERTIFICATIONS & INVOLVEMENT

Certifications: AWS technical essentials, Getting Started with DevOps on AWS, ColorStack Fellow, First Place iLaunch at Texas Tech Innovation Hub - 2018
Organizations: HackWes Texas Tech, NSBE, ColorStack

TECHNOLOGIES USED: Python(Primary), Java, C#, Django, DigitalOcean, AWS, Filezilla, Swift, Stripe API, Paypal API, PuTTY, PHP, MySQL, Autosys, Teradata, PyTorch, TensorFlow, Vue.js, Unity, Node.js, HTML, CSS, IdaPro, Ghidra, OllyDbg, Figma