

CHUKWUEBUKA IJEZUE

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EDUCATION

Texas Tech University

Master of Science: Computer Science

Lubbock, Texas

August 2023 – May 2025

- CGPA: 3.9 / 4.0
- Relevant Courses: Project Management, Information Security, Pattern Recognition, Neural Networks, Software Analytics

Bells University of Technology

Bachelor of Engineering: Mechatronics Engineering

Ogun, Nigeria

September 2017 – August 2022

- CGPA: 4.5 / 5.0 (3.7 / 4.0)
- Relevant Courses: Artificial Neural Network, Android Application, Object-Oriented Programming, Microprocessor Architecture and Programming.
- Thesis: Design and Construction of Waste Plastic Bottle Picking UAV

EXPERIENCE

Texas Tech University

Teaching Assistant

January 2024 – Present

- Lead lab sections for astronomy course, ensuring student comprehension and facilitating engagement with course materials.
- Manage grading processes for assignments and quizzes, maintain standards, and provide timely feedback to students.
- Address student concerns and complaints professionally, fostering a supportive learning environment.
- Conduct ongoing data analysis to assess student's performance against the expected minimum score of 60% weekly.
- Complete data entry tasks accurately to record student scores and maintain grade records

Digital Echoes

Data Analyst (remote)

September 2022 – August 2023

- Developed and deployed a machine learning model, improving sales forecasting accuracy by 30%.
- Designed and implemented ETL pipelines for data collection and preprocessing using SQL and Python.
- Conducted data analysis using Python, Tableau, and Power BI to derive actionable insights.
- Worked with cloud platforms for scalable AI model deployment.
- Translated analytical insights into actionable client recommendations, providing valuable guidance based on the interpreted data.

Huawei Technologies Nigeria, Company Limited

Tools Automation Intern

April 2021 – September 2021

- Developed automation scripts to streamline AI-driven analytics for network monitoring.
- Identified and resolved JavaScript and SQL code bugs, ensuring stable pipeline execution.
- Played a key role in integrating 10 new data communication devices onto the customer's network, enhancing overall network capabilities.
- Prepared comprehensive solution designs and test reports, implementing these solutions on both testbed and production environments.

SKILLS

Programming Languages: Python, SQL, Java

AI/ML Frameworks: TensorFlow, PyTorch, LangChain

AI System Development: LLM Orchestration (LangGraph, Crew.AI), Prompt Engineering

Data Processing: ETL, Data Modeling

Cloud & DevOps: AWS, GCP (preferred), Docker, Kubernetes

Visualization & Analytics: Tableau, Power BI, Pandas, NumPy, SciPy

Non-Technical: Excellent written and oral communication, Strong analytical and problem-solving skills, Ability to work independently and as part of a team, Strong organizational skills, Attention to detail.

CERTIFICATES

- IBM Data Science Professional Certificate
- AWS Cloud Support Associate

PROJECTS & RESEARCH

- RAG-based Semantic Search:** Built a retrieval-augmented generation (RAG) system leveraging vector databases for enhanced document retrieval. ([link](#))
- EMCAD for Brain Tumor Segmentation:** Ongoing project focused on performing brain tumor segmentation using Efficient Multi-scale Convolutional Attention Decoding.