CHUKWUEBUKA IJEZUE

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EDUCATION

Texas Tech University   Lubbock, Texas
Master of Science: Computer Science   August 2023 – May 2025
- **CGPA**: 3.8 / 4.0
- **Relevant Courses:** Information Security**,** Pattern Recognition, Neural Networks, Software Analytics, Project Management

Bells University of Technology   Ogun, Nigeria
Bachelor of Engineering: Mechatronics Engineering   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.

EXPERIENCE

Texas Tech University   January 2024 – Present
Teaching Assistant
- Managed classroom activities and student performance data for over 100 students.
- Built and maintained weekly grading trackers and dashboards to monitor student performance against KPIs.
- Interpreted performance data to help instructors make informed decisions around student support.
- Address student concerns and complaints professionally, fostering a supportive learning environment.
- Complete data entry tasks accurately to record student scores and maintain grade records

Huawei Technologies Co., Ltd   October 2022 – August 2023
Data & Integration Analyst (Datacom)
- Created dashboards in Tableau and Excel to track network device performance and inform senior leadership decisions.
- Ran SQL queries on network logs to identify usage patterns and performance bottlenecks.
- Built and maintained ETL pipelines in SQL and Python to integrate data across multiple platforms.
- Assisted in integrating 10 routing nodes and set up monitoring instances on Huawei NCE, the network management system.
- Used Huawei Cloud to store and process large datasets.

Huawei Technologies Co., Ltd   April 2021 – September 2021
Tools Automation Intern
- Helped automate network fault reports and monitoring processes, reducing the need for manual checks
- Checked SQL and Java code for errors and fixed bugs to make sure the programs ran correctly.
- Improved Huawei's OWS platform by designing and updating workflows for better fault detection and reporting.
- Wrote detailed test reports and solution plans, which were reviewed and used in both test and production environments.
- Assisted in upgrading Huawei's routing software to enhance security and performance

SKILLS

Languages and Tools: Python, SQL, Java, Excel, Tableau, Power BI, Pandas, NumPy, Scikit-learn, AWS, Matplotlib, SciPy, Dash

Hard Skills: Kubeflow, XGBoost, TensorFlow, PyTorch, Deep learning, Test automation, Prompt Engineering, LLM Orchestration (LangGraph), Prompt engineering, ETL, Data Modeling, REST APIs, DSPy, Docker

Soft Skills: Motivated, Teamwork, Ambitious, Innovative thinker, Enthusiastic, Creative, Eager to learn, independent research

CERTIFICATES

- IBM Data Science Professional Certificate
- AWS Cloud Support Associate

PROJECTS & RESEARCH

- **Advanced Brain Segmentation Using EMCAD:** A research project focused on performing brain tumor segmentation using Efficient Multi-scale Convolutional Attention Decoding. (link)

- **Console-based Retrieval-Augmented Generation (RAG) Application**: A console-based application leveraging Retrieval-Augmented Generation to provide context-aware responses by combining information retrieval and text generation. (link)

- **Hope Classification in Textual Data:** A transformer-based project focused on classifying hope in textual data, aimed at understanding emotional tones for applications in mental health and social analysis. (link)

- **Benchmarking NP-hard problems with QAOA:** A group research project assessing the effectiveness of the Quantum Approximate Optimization Algorithm (QAOA) in solving canonical NP-hard problems, including Knapsack, MAXCUT, and the Traveling Salesman Problem (TSP). (link)