

UDUMA IDIKA

MSc. Data Management & Artificial Intelligence (in view)

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EDUCATION

MSc. Data Management & Artificial Intelligence (in-view)

Ecole Centrale d'Electronique (ECE), Paris, France

09/2024–08/2026

B.Eng. Petroleum Engineering: 1st Class Honors (4.80/5.00)

Federal University of Technology, Owerri (FUTO), Nigeria

12/2013–04/2019

KEY PROJECTS

Azure ML Serverless Workflow Solution (MLOps)

Designed and deployed an end-to-end serverless ML inference system using some Azure Core Services and containerized ML Inference APIs. Delivered scalable, production-style inference orchestration. [GitHub Link](#)

Tech Stack: Blob Storage, Functions, Container Apps, Python, FastAPI, Docker

Retrieval-Augmented Generation (RAG) System

Built a RAG pipeline using Hugging Face models and vector databases to extract context-aware information from PDFs based on user prompts. Demonstrated practical Generative AI (**GenAI**) application. [GitHub Link](#)

Basis Functions & Neural Network Development from Scratch using JAX

Built custom basis functions and neural networks from scratch using JAX; transformed multiple datasets and achieved **95%+** accuracy. [GitHub Link](#)

PROFESSIONAL EXPERIENCE

Innovation Analyst

12/2023–09/2024

Nigeria Inter-Bank Settlement System (NIBSS)

Lagos, Nigeria

🔧 **Automated workflows** using Power Automate for innovative ideas analysis.

🔧 Built data-driven solutions from disparate sources to improve decision-making.

Head, IT Governance

10/2022–12/2023

Parallex Bank Limited

Lagos, Nigeria

🔧 Designed **data flow** diagrams to support decision making using Microsoft Visio.

🔧 Automated IT service improvement system using Microsoft Power Automate.

This reduced quick-fixes deployment TAT by 90%.

Enterprise Architect

12/2020–10/2022

Guaranty Trust Bank (GTBank)

Lagos, Nigeria

🔧 Prepared **IT strategy (2022 – 2025)**, in alignment with business goals.

🔧 Automated the Group's Internal Audit reporting process, resulting in cost savings of **\$10,000+** annually.

TECHNICAL SKILLS

🔧 **Programming & Data Engineering:** Python, Scikit-Learn, SQL, MongoDB, Data Modeling (Looping), ETL Pipelines, **Databricks**.

🔧 **Analytics & Data Science:** Exploratory Data Analysis, Feature Engineering, Supervised & Unsupervised Learning, Model Evaluation (ROC, F1, AUC)

🔧 **Databricks & Cloud:** Databricks Fundamentals, Microsoft Azure, AWS

🔧 **Generative AI & ML:** PyTorch, Hugging Face, Transformers, RAG, LLM, NLP

🔧 **Business Intelligence & Visualization:** Power BI, Excel, Matplotlib, Seaborn, Plotly.

🔧 **Tools & Practices:** GitHub, Google Colab, Kaggle, Documentation & Reporting, Power Automate, Microsoft Visio, Looping

Data-driven professional currently pursuing an **MSc in Artificial Intelligence** with strong hands-on experience in GenAI, data science, data engineering, ETL pipelines, analytics, and business intelligence.

Proven ability to build **end-to-end data workflows** using Python, SQL, Databricks, and cloud platforms.

Seeking a **6-month AI/Data Scientist internship** to contribute to client projects and internal data infrastructure initiatives.

CERTIFICATIONS

2025 Databricks Accredited Academy – Databricks Fundamentals [Link](#)

2025 AWS Academy Graduate – AWS Academy Cloud Foundations [Link](#)

2024 Python for Data Science. Issued by DataScientest. [Link](#)

2023 ISO 20000, 22301, and 27001 Foundation. Certified by S&BP (Standards & Best Practices) [Link](#)

2022 TOGAF® 9 Foundation. Issued by The Open Group. [Link](#)

2022 Professional Scrum Master 1. Issued by Scrum.org. [Link](#)

2021 Microsoft Certified: Azure Fundamentals (AZ 900). [Link](#)

SOFT SKILLS

🔧 Team Collaboration

🔧 Effective Communication

🔧 Curiosity & Continuous Learning

🔧 **Languages:** English (fluent), French (A2/B1)