MELU-AKEKUE BARINATAMKEE

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EDUCATION

African Leadership Academy	**Aug 2022 – Nov 2022**
Data Analysis	Port Harcourt, Nigeria
Landmark University	**Aug 2016 – Nov 2021**
B. Eng Electrical and Info Engineering GPA: 4.74/5.0	Kwara, Nigeria

TECHNICAL SKILLS

Languages: Python, DAX, R, SQL, Scala
Tools: Jupyter Notebook, Microsoft Azure Machine Learning, Microsoft Azure Databricks, Microsoft Azure Cognitive Services, Apache Spark, Power BI, Excel, PostgreSQL, Kubernetes, Git, Streamlit, Plotly Dash
Libraries/Frameworks: Tensorflow, PyTorch, Numpy, Pyspark, Pandas, Numpy, Matplotlib, Scikit

PROFESSIONAL EXPERIENCE

AXA Mansard Insurance – INSURANCE, HEALTH AND INVESTMENT, LAGOS MAY 2023 TO PRESENT
LIFE ACTUARIAL ANALYST
- Calculated reserves for the life business, ensuring accurate financial reporting and compliance with regulatory requirements.
- Developed liability profiles for both discounted and undiscounted liabilities, aiding in precise financial forecasting and risk assessment.
- Created a program to compute cash flows for life and P&C products, streamlining the financial planning and analysis process.
- Conducted claims trend analysis to identify patterns and improve claims management strategies.

GENESIS NIG LTD – HOSPITALITY AND ENTERTAINMENT, PORT HARCOURT FEBRUARY 2019 TO APRIL 2023
DATA SCIENTIST/ML ENGINEER
- Charted successful course of development machine learning algorithms to predict and provide recommendations for enhancing customer satisfaction and retention by 12%.
- Piloted the creation of a real-time data and reporting dashboard using Excel to deliver.
- Enhanced budgeting accuracy utilizing data analysis to identify the sector with the highest demand for food variety, improving profit margins by 5%.
- Created an automated ETL pipeline for daily data update into the data warehouse's customer item table.

TOTAL E&P NIGERIA – ENERGY, PORT HARCOURT MARCH 2020 TO AUGUST 2020
IT SUPPORT ASSISTANT INTERN
- Delivered IT support—including establishing and managing portals, maintaining servers and Wi-Fi routers.
- Assembled 10 fully functional computers from faulty computers to reduce company expenses
- Demonstrated expertise in installing, configuring, and troubleshooting a range of software applications, including operating systems, productivity software, and antivirus programs.

PROJECTS

TOPIC MODELLING WITH LDA AND SVM PYTHON, STREAMLIT,

- Programmed a web application using python and streamlit to upload, read and parse customer review data.
- Trained an LDA model that generates topics with our dataset as unsupervised learning.
- Padded the LDA model with a Support Vector Machine classifier to improve performance as supervised learning since a label was used here.
- Added Heuristics-based correction/ rule-based post-processing to the code to improve the prediction accuracy.
- Tested the model on new data, the model performed well and improved staff speed by 1000%.
- The WebApp makes provision for users to download an excel file containing the reviews and the predicted topics/labels.

VOLUNTEERING

NOVEMBER 2022-JANUARY 2022
DATAKIND EVENT TEAMLEAD

AUGUST 2021, NOVEMBER 2022, AUGUST 2024
AKEBARRY NIGERIA LIMITED ASSISTANT

MARCH 2023
kPITE TAI, RIVERS STATE ELECTION ASSISTANT

JANUARY2024-PRESENT
OMPH CATHOLIC CHURCH MEDIA TEAM HEAD

AUGUST2024-PRESENT
AXA INNOVATIVE COMMUNITY MEMBER

CREDENTIALS

CERTIFICATIONS AND PROFESSIONAL DEVELOPMENT
IBM Certified Data Scientist, IBM, 2023
DataKind Volunteer Certificate, DataKind, 2022
Business Intelligence and Data Analyst, Corporate Finance institute, 2022
Data Science with R Programming, SimpliLearn, 2022
Data Analysis with Python, FreeCodeCamp, 2022
HCIA-Routing and Switching, Huawei, 2019

ADDITIONAL INFORMATION

Languages: English, German

Interests: Football (competitive), Artworks, Basketball, Astronomy, Music.