OLUWAGBEMIKE OLOWE
DATA ENGINEER

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WORK EXPERIENCE

[Robotics and Artificial Intelligence (RAIN)](#) - Ibadan, Nigeria   **June 2021 - June 2022**
AI/ML Developer Trainee
- Participated in a year-long AI/ML trainee program, focusing on data science, machine learning, and deep learning techniques.
- Conducted a semantic analysis research, preparing datasets, training classification models, and evaluating results to develop a text-based model for classifying data by meaning.
- Developed a machine learning model to classify answers to open-ended economics exam questions using semantic analysis. The project explored how machine learning techniques can improve the accuracy and efficiency of academic assessments by analysing and categorising textual responses.

LemFi - Lagos, Nigeria   **Mar 2023 - Mar 2024**
Data Intern
- Automated daily cost report generation for the marketing team, enhancing report accessibility and saving at least 30 minutes per day on manual downloads.
- Designed data pipelines that tracked about 100 rows of exchange rate data per day and visualised the change over time using Streamlit.
- Implemented alert and monitoring features within Dagster pipelines to help teams make decisions based on significant rate changes.
- Introduced and explained a new ETL tool to the team, which has since been widely utilised within the data team.

Omdena   **June 2024 - July 2024**
Junior ML Engineer

- Collaborated with over 50 ML Engineers on a project aimed at leveraging Machine Learning and Open Data Sets for Advanced Sports Analytics.
- Collected over over 2000 rows of data on player statistics for all EURO 2024 games from Sofascore using Selenium.

Axel Cyber LLC - Lagos, Nigeria   **November 2024 - Present**
AI Engineer
- Collaborated in developing custom business chatbot solutions using OpenAI developer tools for web and WhatsApp customer service automation.
- Assisted in developing web scraping scripts to collect lead information, processing up to 100 rows of potential leads of prospecting clients.

Upwork   **December 2024 - Present**
Freelance Data Engineer

- Developed scalable Dagster pipelines to collect, process, and analyze cryptocurrency data for copytrading and backtesting for clients' products.
- Designed and built data gathering logic to retrieve and process OHLC (Open, High, Low, Close) data from blockchain data sources, enabling the evaluation of trading strategies with time resolutions from 1 minute to 1 month.
- Integrated data from multiple sources to identify top-performing wallets for specific tokens, enabling the implementation of a copytrading feature tailored to the product requirements.

SKILLS

- Python
- SQL
- ETLs
- Data Science and Analytics
- Git

- Tableau
- Dagster
- Big Query
- dbt
- AI Engineering

EDUCATION & CERTIFICATIONS

Covenant University - Ota   **Aug 2018 - Aug 2022**
Bachelor of Science (BSc) in Management Information Systems
Key Modules: Computer Networks/Communication, Software Engineering, Business Finance, Fundamentals of Data Structures, Artificial Intelligence.
Dissertation: Developing a machine learning model that classifies answers to essay question using semantic analysis

Data Engineering Zoomcamp, DataTalksClub   **Jan 2024 - Apr 2024**
Key Modules: Data engineering tools and concepts.

Resagratia Data Bootcamp   **Sept 2023 - Nov 2023**
Data Applications: Excel, Tableau, and Power BI.

PROJECTS

Python Expert Assistant Chat-bot
- Built a python expert chatbot who converses and shows code snippets on any python concept a user might want to learn.
- The Chatbot was built using Langchain and Streamlit was used to develop the UI.
- The application is deployed here: https://www.gbemike.xyz/

Exchange Rate Tracker
- Designed a Dagster pipeline to track the Naira to Dollar rate every 15 minutes and retrieve the OHLC (Open, High, Low and Close) values which are plotted on a candlestick chart in Streamlit showing change over time.
- The pipeline also contains a built in alert system that sends a message to slack if the price crosses a certain threshold.

NBA Data Pipeline
- Designed a data pipeline using Dagster that processes scraped data from the craftednba site with Beautiful Soup, transforms data with dbt and delivers it to BigQuery for analysis. The dataset contains over 350 rows of player statistics.

VOLUNTARY EXPERIENCE

LaunchingPad Foundation   **Mar 2023 - Present**
Volunteer Manager
- Interview and onboard new volunteers into the foundation.
- Provide support and resources to foundation beneficiaries, fostering their personal and professional growth.
- Collaborate with team members to continuously improve program offerings, contributing to the organisation's mission of uplifting and supporting underserved students in Nigeria.

SEMINARS

Nigerian Society of Engineers   **August 2024**

Data Science and Python Workshop Facilitator
- Conducted a comprehensive 2-day training on Python programming and data analysis, attended by university students from multiple institutions across Ibadan.