OKWECHIME, Dennis Ikechukwu

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TECHNICAL SKILLS

Languages: Python, R
Frameworks: Pandas, Scikit-learn, TensorFlow
BI and Analytics: SQL(Postgres, MySQL, SQL Server), Advanced Excel, Power BI, Qlik Sense, Tableau

EDUCATION

The University of Bolton   Bolton, United Kingdom
Masters in Data Analytics and Technologies   *May 2024*

University of Lagos   Lagos, Nigeria
Bachelors in Metallurgical and Materials Engineering   *Nov. 2019*

EXPERIENCE

Investment Analyst   Jun 2020 –Dec. 2023
Grand Investments / Estates   *London, United Kingdom*

- **Financial Modeling and Reporting**: Leveraged spreadsheet applications to create, edit, and update financial models and reports. Implemented financial data analysis and visualization to support informed decision-making. Used Qlik Sense to show metric, trends and KPIs
- **Office Management**: Streamlined office operations by managing incoming mail through sorting and distribution, and facilitated efficient communication by scheduling and setting up virtual meetings.
- **Foreign Exchange (Forex) Trading**: Identified and capitalized on forex trading opportunities by analyzing market conditions and executing trades on a trading platform. Employed risk management strategies to mitigate financial exposure while capitalizing on currency fluctuations in the forex market. Monitored trading activity to identify trends and opportunities.
- **Client Relationships and Market Analysis**: Cultivated and maintained positive client relationships and performed comprehensive market analysis to inform strategic trading decisions.

Head of Operations and Maintenance   Dec. 2019 – Apr. 2022
Just Inc.   *Remote*

- Fleet Management: Ensured fleet readiness through maintenance, servicing, and inspection of vehicles. Provided operational guidance to riders, advising on daily duties and best practices. Contributed to efficient fleet management by assisting with procurement, installation, and activation of tracking devices for new vehicles.

Trainee   Jun. 2018 – Nov. 2018
Railway Corporation   *Lagos*

- Train Maintenance and Development: Contributed to train maintenance through developing a temporary brake pad solution, servicing and maintaining trains, and fabrication of metal components. Documented train components and assemblies for efficient maintenance procedures and prepared a training report to share knowledge and ensure efficient practices

PROJECTS

Air Quality Index Prediction | *Pandas, Scikit-learn, Streamlit*   March 2024

- Developed an AQI prediction model using Python, incorporating various data analysis and machine learning techniques.
- Performed extensive data preprocessing to clean and prepare data for model training, including handling missing values and normalization.
- Utilized Excel and Python libraries for data visualization to gain insights and communicate findings effectively.
- Created detailed reports and visualizations to present AQI insights, facilitating better decision-making.
- Deployed the model on Streamlit to create an interactive web application for real-time AQI predictions.

Analyzing and Forecasting Time Series Data with R | *ARIMA*   March 2024

- Applied seasonal decomposition techniques to understand the underlying patterns in time series data.
- Performed outlier detection to identify and handle anomalies in the time series data.

- Conducted stationarity tests to assess the stability of the time series data over time.
- Analyzed autocorrelation to understand the relationship between observations at different time lags.
- Built ARIMA models for time series forecasting to predict future values based on the historical data.

UK Road UK House Price Prediction | *Scikit-learn, MobileNet, InceptionV3* — Feb. 2024

- Scraped property data from leading real estate websites to gather information on UK house prices.
- Developed predictive models using Linear Regression, Random Forest, XGBoost, and Catboost to estimate house prices.
- Implemented image recognition models, including MobileNet and InceptionV3, to analyze property images and enhance predictions.
- Evaluated the performance of predictive models using metrics such as RMSE, MAE, and R2.
- Created visualizations to present model results and insights on house price trends.

Job Data Analysis in SQL | *SQL* — Dec. 2023

- Cleaned job data using SQL queries to remove duplicates, handle missing values, and standardize data formats.
- Performed statistical analysis on job data to identify trends, patterns, and insights.
- Optimized SQL queries to improve performance and efficiency in data retrieval and analysis.
- Generated reports summarizing job data insights and statistical findings.
- Utilized SQL visualization tools to create charts and graphs for better understanding of job data.

Grocery Sales Analysis in Power BI | *PowerBI* — Apr. 2024

- Imported grocery store sales data into Power BI for analysis.
- Created data models in Power BI to structure and organize sales data for in-depth analysis.
- Developed interactive dashboards in Power BI to visualize sales metrics, trends, and key performance indicators (KPIs).
- Analyzed sales trends over time to identify patterns and seasonal effects.
- Shared Power BI reports and dashboards with stakeholders for informed decision-making.

Qlik Sense Data Analyst | *Qlik Sense* — Oct. 2023

- Developed robust data models in Qlik Sense, optimizing data load performance and ensuring data accuracy and consistency through ETL processes.
- Designed and built interactive dashboards using Qlik Sense, incorporating various visualizations to provide actionable insights for business stakeholders.
- Leveraged Qlik Sense's advanced analytics capabilities to perform in-depth data analysis, uncovering hidden patterns and trends to support data-driven decision-making.