AFOLABI A. SOLOMON
Junior Data Scientist

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EDUCATION

B.Sc. Industrial Physics (2:1)
Enugu State University of Science & Technology
2018 – 2022

EXPERIENCE

TCN - Energy Intern
Enugu state, Nigeria
November 2021 – April 2022

- Recorded daily voltage readings in the relay room to monitor electrical system performance and identify potential issues.
- Prepared reports summarizing energy consumption, voltage fluctuations, and any system disturbances observed during shift.
- Assisted in analyzing data trends and patterns to identify opportunities for improving energy efficiency and reliability.
- Supported ad-hoc projects and initiatives related to energy monitoring, analysis, and reporting as assigned by supervisors.

PROJECTS

House Loan Prediction | Python, scikit-learn, seaborn, Numpy, Pandas

- Leveraged advanced data science techniques to streamline the loan process of prospective home buyers.
- Main objective was to enhance the accuracy in predicting loan approval while minimizing risk of the financial institution. Understanding the objective led a more focused effort to create best predictive model.
- Made use of models like logistic regression, naïve bayes, decision trees and ensemble methods to build a robust system.
- Performance was rigorously evaluated using metrics like accuracy, recall, and receiver operating characteristic (ROC) curve.

Fake News Prediction | Python, scikit-learn, Scipy, seaborn, Numpy, Pandas, XGBoost

- Used exploratory data analysis(EDA) techniques like renaming columns and filling missing values with a placeholder, in order to explore and extract some insights relevant to the prediction
- Text data was converted to vectors using Term Frequency- Inverse Document Frequency (TFIDF) then fed into the classification models
- The data was trained and evaluated on Naïve Bayes classifier, Logistic Regression and Passive Aggressive classifier, and got the best accuracy in Logistic Regression.

TECHNICAL SKILLS

- Demonstrates organizational and time management skills to facilitate the efficient handling of complex data projects.
- Excellent communication and interpersonal skills, enabling the translation of technical findings into actionable insights for diverse audiences.
- Exhibits adeptness at both independent work and collaborative engagement within cross-functional teams, contributing effectively to the success of a project.
- Displays strong attention to detail, which is crucial for ensuring precision in data analysis and model development.
- Possesses immense curiosity and ability to adapt to new technologies.

PROGRAMMING LANGUAGES

Python, PostgreSQL, JavaScript
Tools
DBeaver, Excel, Plotly, Git, Scikit-Learn, Numpy, Pandas, Seaborn, Plotly, Matplotlib, Tensorflow

CERTIFICATIONS

- Machine Learning and Deep Learning Projects in Python (Udemy)
- Probability & Statistics for Machine Learning & Data Science (Coursera)