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EDUCATION

Enugu State University of Science & Technology, Agbani, Enugu State
B.Sc. Industrial Physics (Second Class Upper Division) 2018 – 2022

SKILLS SUMMARY

- **Language:** Python, JavaScript, MySQL
- **Frameworks:** Pandas, Numpy, Scikit-Learn, Matplotlib, NLTK, Seaborn, Tensorflow, Keras
- **Platforms:** Visual Studio Code, PyCharm, Jupyter Notebook, Git
- **Tools:** Excel, Power BI, PowerPoint
- **Big Data** Google Cloud
- **Soft Skills:** Excellent Communication, Time Management, Team-Player, Presentation, Detail-Oriented

WORK EXPERIENCE

Data Scientist August 2024 – September 2024
Digital Dreams Ltd, Enugu

- Designed and implemented machine learning algorithms to enhance product recommendations for the companies’ business.
- Analyzed large datasets to identify trends and patterns, providing insights that drove marketing strategies.
- Collaborated with engineering teams to streamline data pipelines, improving data accessibility and analysis speed.

PROJECTS

House Loan Prediction | [LINK](#)

- Developed and implemented innovative data science methodologies, used exploratory data analysis (EDA) to uncover relevant information.
- Conducted rigorous evaluations of model performance, utilizing machine learning models like Naïve Bayes and Logistic Regression algorithms, and meticulously compared their effectiveness through an AUC-ROC curve analysis.
- Achieved remarkable accuracy rates in forecasting loan approvals, scoring an impressive 0.81 on Logistic Regression, surpassing the already commendable 0.76 achieved with Naïve Bayes.

Bitcoin Prediction | [LINK](#)

- Conducted a comprehensive exploratory data analysis (EDA) to identify trends and insights within the dataset.
- Developed a Simple Recurrent Neural Network (SimpleRNN) model to forecast Bitcoin's opening and closing prices.
- Evaluated model performance using Mean Squared Error (MSE), achieving a score of 0.0001529, indicating high prediction accuracy.

Using Generative Artificial Intelligence to Forecast Electrification Demand and Supply in Sub-Saharan Africa | [LINK](#)

- Collaborated with a team of data scientists to develop AI models predicting electrification needs and supply capacity across Sub-Saharan Africa.
- Utilized generative algorithms, including Long Short-Term Memory (LSTM), Gradient Boosting, and Keras Sequential models, to analyze historical data, socioeconomic factors, and energy consumption patterns, this enhanced forecasting accuracy.
- The Gradient Boosting Regressor excelled among the models, achieving the lowest error metrics and proving highly reliable in predicting gaps in electrification demand and supply. While the Keras Dense Sequential model and LSTM also delivered promising results, they indicated areas for further refinement.

CERTIFICATES

Data Analysis Course (March 2024 – August 2024) | [LINK](#)
Python for Machine Learning and Deep Learning (Udemy)