

Shedrack David

[in LinkedIn](#) | [Website](#) | [+234816937790](#) | [bakasheddy@gmail.com](#) | [GitHub](#)

Skills

- Python | Flask | Streamlit | PostgreSQL | MySQL | Prolog | HTML | Tensorflow | Markdown | Git
- Machine Learning | Data Analysis | Data Visualization |
- Microservices | Microsoft Excel | Power BI | Power Query | Jupyter Notebook | Google Colab – All proficient level or above

Experience

Hamoye

Remote, Nigeria 11/2022 - 04/2023

Data Scientist, Intern

- Collected Data and made a comprehensive analysis of the FordGo regional public bicycle sharing system in California's San Francisco Bay Area. Using a dataset of over 2 million data points, the project uncovered the usage patterns between the different user groups of the bike sharing system.
- Spearheaded a highly successful time series project, applying advanced methodologies such as ARIMA and Prophet models. Led the implementation of sophisticated forecasting techniques, optimizing predictive accuracy and insights generation by 30%.
- Led the application of BERT architecture in transfer learning for hate speech detection which performed with a 94% accuracy. Orchestrated fine-tuning of pre-trained BERT models using tensorflow, optimizing NLP methodologies and attention mechanisms; utilizing diverse metrics like F1 score and ROC-AUC for robust hate speech classification.

Computer Scientist, Intern

FUTMINNA

Minna, Nigeria 02/2021 - 10/2022

- Significantly enhanced project efficiency as a Query Analyst for group projects, effectively reducing query execution time by 40%. This optimization expedited projects progression, ensuring timely goal achievement.
- Collected data and built a **machine learning** model for Olympic Medal prediction using Regression Algorithms which performed with an 88% accuracy.
- Led the implementation of diverse time series forecasting models, including Auto ARIMA, ARIMA, and Facebook's Prophet, for predicting currency values of 300+ pairs and Incorporated Facebook's Prophet, enabling additive seasonal modeling for daily and weekly patterns, and evaluated model performance metrics such as MSE, RMSE, MAE, and MAPE.
- Demonstrated consistent expertise in data analysis, machine learning, and model evaluation to deliver more accurate predictions, enhancing forecasting precision by 15% for currency pairs.

Education

Bachelor of Technology (Computer Science)

Federal University of Technology Minna

Minna, Niger, Nigeria

2018 - 2022

Projects

- **Hate Speech Detector Based on Hybridized BERT Attention Mechanism and Content Analyzer:** A transfer learning done on ethos data using BERT to train a multi-class hate speech detector model. (2023)
- **Olympic-Podium-Projections:** Provides insights into the performance of countrys' athletes in modern Olympic games and offer a tool for predicting medal outcomes for Olympic events (2023)
- **Currency-Foreign-Exchange-Rate-Prediction:** An ML Model that forecasts the closing price of currency currency pair exchange. (2023)
- **BikeFlow: Investigating User Behavior in the FordGo Bike Sharing Network:** A Comprehensive analysis of the FordGo regional public bicycle sharing system in California's San Francisco Bay Area (2022)

Mentorship

Living Faith Church Minna:

- Lead a team of enthusiastic youths and orchestrated a smooth operation of technical equipment, ensuring the seamless execution of church services, enhancing the overall worship experience for congregants.
- Mentored and tutored about 30+ youths on data science, data analysis, python, also Organized and facilitated skill acquisition tutorials for the church's youth community. I passionately imparted knowledge about programming, specifically focusing on Python, and introduced them to various career paths within the tech industry (02/2021 - 07/2023)