

# Shedrack David

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## Skills

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

## Experience

**Paritie Innovation hub** Hybrid, Nigeria Current

### Junior Data Scientist

- Extract valuable insights through adept data mining and preprocessing, employing advanced machine learning tools to optimize classifiers and develop predictive models.
- Collaborate seamlessly with cross-functional teams, including senior leaders, UX designers, and business analysts, to propose and implement innovative solutions for complex business challenges.
- Analyze large datasets to identify patterns and trends, presenting findings in a clear and compelling manner to stakeholders. Contribute to the development and optimization of machine learning algorithms.

Stay ahead in the field by actively participating in continuous education, exploring new programming languages, and sharing knowledge within the team. Support the development of Paritie Learning Group Candidates through mentorship and educational opportunities.

**Hamoye** Remote, Nigeria 1/2022 - 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** Onsite, Nigeria 2/2021 - 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.

## 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)
- **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 Paritie Innovation Hub Ltd. (02/2021 - 07/2023)