Shedrack David

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Skills

- **Programming:** Python | SQL | HTML
- **Technology:** Machine Learning | Deep Learning | Git | Google Colab | Jupyter | Tensorflow | Flask | Markdown | YAML
- **Database:** PostgreSQL | MySQL
- **Data Visualization:** Power Bi | Streamlit | Excel — *All proficient level or above*
- **Soft Skill:** Excellent verbal and written communication; write on deep learning on linkedin and provide tutoring services on data science

Experience

Junior Data Scientist   **Paritie Innovation hub**   *Hybrid, Nigeria*   **Current**

- 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.
- 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.**

Data Scientist, Intern   **Hamoye**   *Remote, Nigeria*   **l/2022 - 04/2023**

- 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%.**

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**

Certifications/Awards

- **Data Analysis:** Udacity Data Analyst Nano-degree, Cognitive AI Data Analysis With Python and Data
- **Data Visualization:** IBM Data Visualization using Python
- **Machine/Deep Learning:** Coursera Neural Networks and Deep Learning

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

Paritie Innovation Hub

- Mentored and tutored about 30+ youths on data science, data analysis, python, also Organized and facilitated skill acquisition tutorials for Paritie Innovation Hub Ltd.