Okunola Adebola Orogun

Wellingborough, NN8 1JX | 07769656875 | adebolaorogun@github.io | adebolaorogun@gmail.com

EDUCATION

University of Hertfordshire   **Hatfield, United Kingdom**
Master's degree (Data science and Analytics)   **Jun 2025**

Federal university of Technology   **Akure, Nigeria**
Master's degree (Computer science)   **Sep 2017**

SKILLS

• **SQL** (SQL Server, MySQL, PostgreSQL) • **Python** (pandas, matplotlib, ggplot2, beautifulsoup2, scikit- learn, Tensorflow, PyTorch, Statsmodel) • **PowerBI** • **Excel** (VLookup, Conditional Formatting, Pivot Tables) • **R programming** (dplyr, shinny, ggplot2, Caret, tidymodels)

WORK EXPERIENCE

TIIQU C.I.C   **London, United Kingdom**
Data Scientist (Volunteer)   **Mar 2023 - Present**

• Developed two highly effective course and resource recommender algorithms that leveraged student interests and learning history to recommend top 20% options, increasing student engagement by 25% and reducing drop-out rates by 10%.

• Leveraged Python programming language and statistical analysis techniques to analyse student data, identifying patterns and developing two personalized learning path algorithms that improved student outcomes by 15%.

• Created interactive dashboards that provided real-time feedback to students on their learning progress, resulting in 20% improvement in student engagement and 10% increase in test scores.

• Implemented an A/B test in a Python script, used SQL to gather and pre-process data, and leveraged GitHub to collaborate with team members, ultimately leading to a successful data-driven decision in a project.

GitcoinDAO   **Remote**
Data Analyst   **Nov 2021 - Apr 2023**

• Analyzed the impact of funding on more than 300 grant projects from rounds 13-15, identifying a 40% increase in efficiency and productivity among grantees.

• Leveraged advanced statistical techniques and machine learning algorithms to develop an effective predictive maintenance model, resulting in a 10% increase in fraud detection rate and reducing imminent grant fraud by 15%.

• Developed and implemented the modularised algorithm for organisation's passport protocol, resulting in a 90% reduction in false positives and a 25% increase in user authentication accuracy.

Adekunle Ajasin University   **Ondo State, Nigeria**
Lecturer   **Oct 2017 - Nov 2022**

• Led a team of 400-level students to victory in the Ondo- state inter-tertiary institution programming hackathon, showcasing expertise in data analysis, algorithm development, and team management.

• Provided guidance on data collection techniques and programming languages, leading to successful completion of 15 theses in data analytics and optimization within a two-year period.

• Prepared at least 60 students annually for final year (400-level) examinations, leveraging strong analytical and problem-solving skills to identify knowledge gaps and develop targeted study plans that resulted in a 78% pass rate.

PROJECT EXPERIENCE

GitcoinDAO   **Remote**
Grant Round Analysis   **Jun 2022 - Jan 2023**

• Utilized Python to extract, clean, and transform data from various data sources, including Gitcoin's database and external APIs, to create a comprehensive data set for analysis.

• Performed data exploration and analysis using SQL to identify patterns and trends in the data, and generate insights to inform decision-making.

• Created data visualizations and dashboards using PowerBI to communicate findings to stakeholders and facilitate data-driven decision-making.

TIIQU C.I.C   **Remote**
Truth graph visualization   **Mar 2023 - Present**

• Worked closely with stakeholders to identify requirements and design a scalable and efficient solution that could handle large amounts of data.

• Leveraged graphDB's advanced graph data model to represent trust relationships between entities, enabling flexible querying and analysis of the data.

• Implemented a range of data processing and visualization techniques in Python, including graph algorithms, network visualization libraries, and custom data pipelines to generate dynamic and interactive visualizations of the trust networks.

LEADERSHIP EXPERIENCE

GitcoinDAO   **Remote**
Sybil Analysis Lead   **Sep 2022 - Feb 2023**

• Led the Loki set detection unit of fraud detection and defense workstream at GitcoinDAO for almost two years, overseeing a team of analysts and developers responsible for identifying and mitigating fraudulent activity on the platform.

• Spearheaded the development of advanced data analysis techniques, including Sybil analysis and Levensthein distance model, to detect and prevent fraudulent activity on Gitcoin, resulting in a significant reduction in fraud rates and increased user trust in the platform.

TIIQU C.I.C   **Remote**
Data Visualization lead   **Mar 2023 - Present**

• Led the design and development of complex data visualizations using Python libraries such as Matplotlib, Seaborn, and Plotly, as well as SQL queries and stored procedures to extract and transform data from various sources.

• Utilized PowerBI to create dynamic and interactive dashboards that visualized complex data sets and provided actionable insights to business stakeholders, resulting in improved decision-making processes and increased operational efficiency.