

Professional Summary

Versatile Data Scientist and Machine learning engineer with over Four years of progressive experience in the analysis of intricate, high-volume datasets across various project stages. Instrumental in crafting strategic reports and timely insights that have propelled business achievements. Proven track record of collaborating with extensively cross-functional internal teams to successfully deploy models into production. Possesses a profound comprehension of diverse database types, and research methodologies. Substantial expertise in data acquisition, manipulation, and visualization. Enthusiastic about advancing organizational objectives, dedicated to implementing innovative business remedies, and proven leadership expertise.

Core Competencies

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|-------------------------------|------------------------|---------------------------|-------------------|
| • Data Visualization | • Project Management | • Artificial intelligence | • Data Modeling |
| • Relational Database | • Deep Learning | • Machine Learning | • Data Profiling |
| • MongoDB Database | • Predictive Analytics | • Statistical Analysis | • Data Analytics |
| • Natural language Processing | • Backend and API | • Version control (Git) | • Ad hoc Analysis |

Technical Skills

- Programming Languages: Python, R, JavaScript, CSS, XML, HTML, C#, MongoDB Query Language
- Database: Microsoft SQL, MySQL, PostgreSQL, MongoDB
- Machine Learning: Scikit-learn, TensorFlow, PyTorch, FastApi, Docker
- Visualization: Tableau, Microsoft Power BI, Matplotlib, Seaborn
- Analytics: DAX, NumPy, and Pandas
- Collaborative tools: Slack, Team Viewer, Zoom, Google Meet
- Microsoft Office (MS Word, Access, Excel, PowerPoint) and Google Suites (Doc, Sheet, Slide).

Professional Experience

Data Scientist

August 2022 - Present

10Alytics – Lagos, Nigeria

- Enhanced the reputation of a financial service client by utilizing SQL queries to identify patterns associated with fraudulent behavior thus addressing fraudulent transactions within their account statements. Applied K-Means clustering to detect anomalies and unusual transaction patterns leading to a 97% accuracy rate in detecting fraudulent transactions, saving the client over \$ 100,000 annually.
- Leveraged machine learning (Logistic Regression) and engagement analysis to predict churners for a subscription business, enabling targeted retention campaigns that decreased customer churn by 25%. This significantly improved revenue stability and customer retention for the client.
- Performed Sales Forecasting and Inventory Optimization for a retail client by analyzing historical sales data and other external factors influencing demand. Developed a dashboard using Tableau to visualize the data. Built time-series forecasting models to aid in inventory planning and procurement decisions which improved inventory turnover by 20%, reducing carrying costs and stockouts.

Simplified UX Chicago USA (Remote)

- Led development of Power BI dashboards, visualizing user activities and subscription trends. Utilized MongoDB query language for efficient data retrieval. Integrated real-time data feeds for up-to-date insights. This resulted in a 20% increase in user engagement and a 15% rise in subscription renewals, driving company growth.
- Utilized machine learning algorithms to predict user behavior especially customer churn on the platform. Analyzed historical data to identify patterns and trends. Implemented personalized recommendations resulting in a 25% increase in user engagement and higher subscription retention rates, contributing to the company's growth in the competitive market.
- Facilitated regular cross-functional meetings, notably with the social media manager, to align strategies. Presented Power BI insights on user retention, signup trends, and campaign impacts. Collaborative efforts resulted in a significant 25% increase in new signups, effectively enhancing overall customer engagement and user retention.

Education and Certifications

Full Stack Data Science certification, 10Alytics

SQL for Database management, Udemy

Google Data Analytics Professional Certificate

Business Analysis Industry Training, Brainnest Germany

Bsc. Biological Science, University of Ilorin Nigeria

Portfolio

GitHub: <https://github.com/mobolajifalugba>

Portfolio: <https://mobolajifalugba.github.io/dataprojects/>

Awards and Honors

Outstanding Data Analyst of the Year, 10Alytics (2023)

Interests

Open-source contributions

Hackathons

Hiking and outdoor activities

Language(s)

English (Fluent)

References

Available upon request.