

FARUQ LAWAL | Data Scientist

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SUMMARY

Data Scientist with hands-on experience in machine learning, data analytics, and MLOps, delivering data-driven solutions across customer retention, fraud detection, and business intelligence. Skilled in Python, SQL, and Power BI, with a track record of building and deploying end-to-end models, dashboards, and automated workflows. Focused on solving real-world problems, driving operational efficiency, and turning complex data into clear, actionable insights.

TECHNICAL SKILLS

Programming Languages: Python, SQL, javascript

ML & Data Science: Classification, Regression, NLP, Feature Engineering, Model Evaluation, A/B Testing

Tools & Platforms: Jupyter, Streamlit, Power BI, Tableau, Git, Docker, VS Code

Libraries & Frameworks: Pandas, NumPy, Scikit-learn, XGBoost, NLTK, Matplotlib, Seaborn

MLOps & Deployment: Model Deployment, Versioning, Monitoring, Hugging Face, AWS (S3, EC2), MLflow

Databases: MySQL, PostgreSQL, MongoDB

Cloud & DevOps: Basic experience with AWS, Docker, CI/CD pipelines

WORK EXPERIENCE

FREELANCE DATA SCIENTIST | *Remote, UK*

April 2024 – Present

- Built a churn prediction tool using Python and Streamlit, enabling real-time visibility into customer risk and supporting targeted retention strategies.
- Created an interactive fraud monitoring dashboard for credit card transactions using SQL and Power BI, improving detection accuracy and operational reporting.
- Analysed behavioural and transactional data to support strategic decision-making in customer retention, risk analysis, and automation use cases.

QUANTUM ANALYTICS, *Data Analyst | London, UK*

Feb 2023 - Present

- Analysed credit risk and repayment data using SQL and Power BI to support decisions made by strategy and compliance teams.
- Worked closely with teams across credit, finance, and operations to create dashboards and automate reports, saving time and improving access to key information.
- Helped stakeholders understand trends in customer repayment behaviour by turning complex data into clear insights and useful recommendations.

PROJECT

Smart Retain – Churn Prediction and Retention System

- Built and deployed a real-time churn prediction model using Python, Scikit-learn, and NLP, with containerisation via Docker and deployment on AWS. The system enabled preemptive action by forecasting churn risk with 99% accuracy, supporting improved customer retention strategies.

Link to Project : [Credit Card Fraud Detection](#)

Credit Card Fraud Detection Dashboard

- Designed a fraud detection scoring system using SQL and Python, with results visualised in Power BI dashboards. The solution helped reduce false positives by 18% and improved fraud investigation efficiency by 25%.

Link to Project : [Credit Card Fraud Detection](#)

EDUCATION

Master of Science, Civil Engineering. University of Portsmouth, *Portsmouth, London, UK*

- September 2024

Bachelor's in Engineering, Civil Engineering. Osun State University, *Osun State Nigeria*

- August 2022

CERTIFICATION

IBM Data Analytics Basics for everyone, - *Edx E-learning, 2022*

British Airways Data Science Job Simulation, - *Forage, 2024*

Quantum Analytics Data Analyst Professional Certificate, - *2023*