

Rodiyah Oluwa

Data Scientist

Middlesbrough, UK

+447778765583 | oluwarodiyah@gmail.com | [LinkedIn](#) | [GitHub](#) | [Project Portfolio](#)

A Data Scientist with over 3 years of experience in data analysis, machine learning, artificial intelligence (AI), data pipelines, and statistical research. Proficient in Python, SQL, Tableau, R, and Power BI. I have successfully led projects that enhanced decision-making, product management, and operational efficiency. One of my key accomplishments includes developing a predictive model for heart attack risk based on health and lifestyle factors, utilizing machine learning techniques and innovative solutions to drive actionable insights in healthcare.

AREAS OF EXPERTISE

- Data Analytics and visualisation tools (Power BI | JAVA | Numpy | Tableau | MySQL)
- Python | Java | R
- Agile & Roadmap Development
- Data Modelling & Data Pipeline Management
- Strategic Solutions Development
- Statistical Analysis & Modelling
- Natural Language Processing (NLP)
- Predictive & AI-driven Analysis
- Forecasting
- Machine Learning & Prototyping

PROJECTS

- Developed complex SQL queries and optimised data models, utilising Power BI to clean data and provide interactive dashboards that emphasised patterns and offered useful information for enhancing sales success.
- Led a machine learning prototype for heart attack risk prediction using Python and scikit-learn, handling data preprocessing, feature engineering, model training, and deployment to improve predictions based on health and lifestyle factors. Successfully aligned the product roadmap with stakeholder needs.
- Investigated car insurance datasets to reduce bias in AI algorithms, employing Python and scikit-learn for preprocessing and model development, and refined predictive strategies with advanced machine learning techniques to enhance model fairness and accuracy.
- Analysed historical weather data using Python and SQLite in a project titled "Decoding Climate Trends," uncovering key insights and trends in climate patterns through data exploration and discovery.

PROFESSIONAL EXPERIENCE

Redcar & Cleveland Voluntary Development Agency

Community Research Intern

Redcar, UK

August 2024 -Present

- Collected and analysed data from 200+ community health surveys using Python and SQL, identifying key trends that contributed to a 10% improvement in local health outreach initiatives.
- Developed comprehensive reports using Power BI and Tableau on community health needs, securing funding for 3 new public health programs.

- Collaborating with cross-functional teams to assess the long-term impact of health interventions in the community using statistical analysis and data modelling, aiming to improve program effectiveness and increase participation by 20%.

Sail Innovation Lab

Lagos, Nigeria

Data Scientist

May 2022 – May 2024

- Collaborated with 3+ cross-functional teams to gather requirements and define project scopes, ensuring alignment with objectives and contributing to the success of 6 health-related machine learning projects.
- Developed and deployed machine learning models in Python and R, applying them to video analysis and other health-focused projects, leading to a 20% improvement in data processing efficiency.
- Optimised model performance through hyperparameter tuning and feature engineering, enhancing model accuracy by 15% and ensuring high-quality data input through robust preprocessing pipelines.
- Delivered 20+ detailed reports and presentations summarising project outcomes and recommendations, helping stakeholders make data-driven decisions that improved operational efficiency.
- Utilised collaborative programming environments and Reproducible Analytical Pipelines (Git, DevOps) to ensure seamless project collaboration and reproducibility.

Lifeful Medical Centre

Lagos, Nigeria

Data Analyst

April 2020 - March 2022

- Developed and maintained a Covid-19 data dashboard, producing 10 visualisations that helped hospital management and public health officials make data-driven decisions, directly influencing a 15% increase in operational efficiency.
- Generated and presented reports on pandemic-related data using Power BI and R, analysing over 100,000 patient records, which resulted in improved resource allocation and reduced patient wait times by 20%.
- Performed statistical analysis on patient care data using R and Matplotlib, uncovering trends that accelerated patient treatment plans by 25%, contributing to overall performance improvement across departments.
- Designed interactive dashboards using Power BI, allowing real-time tracking of key performance indicators (KPIs), resulting in a 10% reduction in costs and enabling timely decision-making during the pandemic.

EDUCATION

Teesside University

September 2023 – May 2025

MSc. Applied Data Science

Lagos State University

February 2019- June 2023

BSc. Economics (*First Class Honours*)

ADDITIONAL SKILLS

Technical Skills:

- **Programming:** Python, Java, R |Data Analytics and Visualisation tools: Power BI, MySQL, Pandas, NumPy, Matplotlib
- **Machine learning:** Recommender Systems, Customer Segmentation, Profiling, Scikit-learn, TensorFlow, Keras, XGBoost
- **Data Analysis Tools/Libraries:** Pandas, NumPy, Matplotlib, Seaborn, SciPy Request

Interpersonal Skills: Report Writing | Critical Thinking | Communication | Research | Collaboration | Stakeholder Management

Training & Certifications: Microsoft Power BI Data Analyst Associate (PL-300) | Community
Leader Teesside Power Bi women | Microsoft Azure Fundamentals (AZ-900) | Microsoft Azure Data
Fundamentals (DP-900) | Data Science Training (SAIL)