olotusamson772@gmail.com | 07384848027 | Oldham, UK

Website: samsonayodeleolotu.com

Results-driven data professional with over four years of experience spanning logistics, education, and data analytics. Proven ability to transform complex datasets into actionable insights that enhance business efficiency and support informed decision-making. Adept in Python, Apache Spark, SQL, Power BI, and AWS, with a strong focus on anomaly detection, scalable data pipelines, real-time analytics, and privacy-compliant solutions. Passionate about interpretable machine learning and cloud-based big data infrastructure.

M.Sc. Data Science | *Distinction* (2022 - 2023)
University of Salford, UK
Dissertation: Exploring the Interplay between Dimensionality Reduction, Feature Selection, and Machine Learning Performance: A Comparative Study
- Investigated advanced feature engineering strategies and their impact on machine learning in large datasets.
- Developed scalable and interpretable models applicable to healthcare and anomaly detection.

B.Sc. Physics | (2014 - 2018)
University of Ilorin, Nigeria

- Implemented advanced data mining and anomaly detection techniques on structured and unstructured data.
- Built scalable, real-time data pipelines using Apache Spark for finance analytics.
- Collaborated with stakeholders to automate anomaly alerts in dashboards for operational decision-making.
- Conducted noise filtering and validation processes aligned with data privacy protocols and GDPR.

- Managed administrative operations and improved organizational systems for records, attendance, and scheduling.
- Facilitated communication among staff, parents, and administration, maintaining high confidentiality standards.
- Coordinated events and managed student information with efficiency and precision.

- Handled logistics documentation, including invoices, delivery notes, and order forms with accuracy and attention to detail.
- Maintained organised digital and physical filing systems, while entering and updating data using Excel and logistics software.
- Supported inventory checks and ensured all administrative tasks complied with company policies and data protection standards.

- Python and R
- Apache Spark and Databricks
- Data Mining and ETL processes
- Power BI & Tableau
- SQL (MySQL, PostgreSQL)
- AWS Cloud
- Data Mining and Anomaly Detection

- Machine Learning
- Microsoft Office Suite (Outlook, Excel, etc.)
- Business Management and Intelligence
- Teamwork and Collaboration
- Natural Language Processing (NLP)
- Problem-solving and Critical Thinking
- GDPR & Information Governance

[Link](#)

Performed NLP-based sentiment analysis on 10,000+ hotel reviews using Python and spaCy; visualized insights in Power BI to identify key satisfaction drivers.

[Link](#)

Carried out Statistical Analysis and developed a dashboard analyzing resource contributions to GDP.

- Data Analytics – AWS Academy *(Amazon Web Services)*
- Data Science with Python – *IBM*
- Advanced SQL for Data Analytics – *Udemy*
- Power BI – *Coursera*
- Information Governance & GDPR – *Florence Academy*

Employee of the month
Bright Explorer School Limited | June & November 2021
Employee of the month
Admar Logistics Limited | March 2019

(for PhD/fellowship inclusion)

Big Data Infrastructure, Scalable Analytics, Anomaly Detection, Data Visualization, Privacy-Preserving ML, Real-Time Dashboards