

# ABDULMALIK ARO-FADAKA

## GRADUATE DATA SCIENTIST

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📍 Glasgow, UK

in ABDULMALIK ARO-FADAKA

### PROFILE

Motivated data scientist seeking an engaging and suitable opportunity, blending robust engineering expertise with a passion for leveraging data for business optimization. Skilled in statistical analysis, machine learning, and data visualization to extract actionable insights from complex datasets. Proven track record of enhancing operational efficiency, customer experience, and profitability across diverse industries. Effective communicator of data-driven recommendations, fostering cross-functional collaboration for impactful solutions. Experienced in deploying advanced data science methodologies to drive competitive advantage and enable informed decision-making

### CERTIFICATES

- IBM Data Science Certification (Coursera)
- Data Science and Machine Learning Certification (SQI COLLEGE OF ICT)
- Web Development Certification (SQI COLLEGE OF ICT)

### EDUCATION

#### **MSc in Data Science in Engineering**

Glasgow Caledonian University

2022 – 2023 | Glasgow, UK

#### **BTech in Mechanical Engineering**

Ladoke Akintola University of Technology

2014 – 2019 | Oyo, NG

### PROFESSIONAL EXPERIENCE

#### **OVO ENERGY**

Zero Carbon Living Advisor

11/2023 – present | Glasgow, UK

- Helped customers reduce their home's carbon footprint and tracked their energy usage trends and emissions levels to identify the most effective actions.
- Managed an ongoing portfolio of over 2000+ residential customers, tracking granular home energy usage data across sources like smart meters and connected appliances.
- Assessed influence of factors like weather patterns, family size changes, appliance age and malfunctions, and success of previous advisor suggestions and consistently translated complex technical insights around predicted climate impact into simplified recommendations around upgrades and alterations suited to customers' budgets.
- Worked cross-functionally expanded my analytical abilities, collaborating with our engineers and installations teams revealed ways to improve offerings to meet sustainability goals.

#### **ARGENTUM TECHNOLOGIES**

Data Analyst

06/2022 – 12/2022 | Lagos, NG

- Conducted in-depth analysis of financial and trading data leveraging Numpy, Pandas, and Matplotlib, in order to discern intricate patterns, prevailing trends, and noteworthy anomalies.
- Developed automated data scraping scripts using Python that reduced manual efforts by 80% and ensured availability of reliable, up-to-date financial data for analysis.
- Uncovered insights that increased trading efficiency by 15% through statistical analysis using Numpy and Pandas and data visualization using Matplotlib of stock market data to identify price movement patterns.
- Created interactive Power BI dashboards providing real-time visibility into revenue trends, trading volumes and portfolio performance; enabled data-driven decision making for business leaders.

## SKILLS

- Structured Query Language (SQL)
- Machine Learning
- Tableau and PowerBI
- Data Engineering
- Python and R
- HTML and CSS
- MATLAB
- LABVIEW

## EXPERTISE

Data Analysis and Interpretation

Statistical Modeling and Machine Learning

Data Visualization

Business Intelligence and Strategy

Cross-Functional Collaboration

Data Management and Engineering

Technical Proficiency

Multilingual Fluency with Strong English Proficiency

Proficient in Conducting Research and Collaborative Teamwork

## INTERESTS

- Travel and Cultural Exploration
- Music
- Photography
- Volunteering and Community Service

## AWARDS

**Data Analysis Excellence Award**  
SQI COLLEGE OF ICT

**Innovation Award**  
ARGENTUM TECHNOLOGIES

- Pinpointed opportunities to improve profitability by 12% through analysis of financial statements and metrics including ROI and gross margin using Excel. Provided actionable recommendations that guided strategy development to optimize costs and grow revenues.

## SQI COLLEGE OF ICT

Data Analyst

12/2021 – 06/2022 | Oyo, NG

- Employed advanced proficiency in SQL, R, and Python to orchestrate the gathering, collection, and meticulous analysis of numerical and statistical data, resulting in a 20% enhancement in the accuracy of business performance assessment.
- Utilized foundational comprehension and expertise in data analysis software to architect robust data collection tools, expediting the implementation of the data infrastructure and network installation, reducing setup time by 30%.
- Assumed responsibility for the daily oversight of the data analysis team, concurrently spearheading the strategic deployment of pioneering data solutions that led to a 15% increase in operational efficiency.
- Delivered structured training sessions to new and junior data analysts, contributing to a 40% reduction in onboarding time, while providing well-founded recommendations to the management for the evaluation of business requisites.
- Fostered cross-functional collaboration by partnering with various teams, facilitating the elevation of expectations and performance optimization through the provision of precise data and incisive insights, resulting in a 25% improvement in overall project delivery timelines.

## PROJECTS

**Machine Learning- Based System For Orientation Alignment on a Robotic Arm Mounted Camera**

**Predictive Maintenance for Industrial Equipment Using Sensor Data Analysis**

**Design, Construction and Optimization of Savonius Wind Turbine**

## REFERENCES

References available upon request