

# JOSHUA OLISA-EMODOH

## DATA SCIENTIST & ELECTRICAL/ELECTRONICS ENGINEER

| [joshua.olisaemodoh@gmail.com](mailto:joshua.olisaemodoh@gmail.com) | Abuja, Nigeria | [Linkedin Profile](#) |

Portfolio Website: <https://joshua-olisa.github.io/>

### PROFESSIONAL SUMMARY

Enthusiastic and motivated university graduate with a B.Eng. in Electrical Electronics Engineering with a strong interest in pursuing a career in electrical design, renewable energy, and data science. Understands the importance for data-driven decision-making. Proficient in data analysis using various tools such as Python, R, and Excel, with a keen eye for detail and problem-solving. A dedicated team player, hardworking, and committed to contributing innovative solutions while growing professionally. Eager to gain hands-on experience in electrical design and renewable energy projects as well as develop a strong work ethic, and build valuable interpersonal skills to make a meaningful impact in the engineering and data industries.

### AREAS OF EXPERTISE

**PROFESSIONAL SKILLS:** Leadership | Data analysis | Creative problem solving | Critical thinking | Project management  
Team work | Time management | Technical studies | Attention to detail | Documentation

**TECHNICAL SKILLS:** AutoCAD | Python | SQL | R | Scikit-learn | Tableau | Power BI | Matplotlib | Microsoft Project  
Excel.

### PROFESSIONAL EXPERIENCE

**ENGINEERING INTERN, Forlyon Technologies Ltd. • Abuja, Nigeria**

**MAR 2023 – SEP 2023**

Forlyon Technologies Ltd is an Integrated Services and Resources provision company with a special focus in the area of “Technologies Acquisition”. Services include; Fire Fighting Systems, Access Control, Security & Surveillance, Home Automation, Emergency Management.

- Worked with a team of engineers and gained hands-on experience in the installation, maintenance, and supervision of various safety and security systems
- As a member of the project team, I oversaw diverse project aspects throughout the entire life cycle, ensuring effective management from initiation to successful completion.
- Accomplished timely and meticulous completion of various electrical project designs utilizing AutoCAD, ensuring a high level of detail and documentation.

**OPERATIONS INTERN, Husk Power Systems. • Abuja, Nigeria**

**JAN 2025 – PRESENT**

Husk is a leading provider of reliable, 24/7 renewable energy to rural communities and businesses. Founded in 2008, it offers a flexible “pay-as-you-go” service through a mobile-enabled smart metering system. Its low-cost, grid-compatible solution supports national electrification plans and meets the growing energy needs of households, community services, and businesses.

- Supporting the Operations Team in maintaining a data repository for insights from Husk’s integrated remote monitoring system, ensuring easy access for analytics.
- Assisting in providing data for actionable insights and informed decision-making for strategy development and system adjustments.

## ----- EDUCATION -----

### **BEng Electrical/Electronic Engineering**

**September 2019 – August 2024**

Nile University of Nigeria, Grade: 4.45

Abuja, Nigeria

## ----- CERTIFICATION -----

### **Google Data Analytics Professional Certificate**

**June – October 2024**

- Gained understanding and proficiency with tools for effective data analysis, including SQL, Spreadsheets, Tableau and R
- Learning how to visualize and present data findings in dashboards, presentations, and commonly used visualization platforms

### **Accenture North America Data Analytics and Visualization Job Simulation on Forage**

**July 2024**

- Served as a Data Analyst at Accenture, providing strategic guidance to a hypothetical social media client through a simulation, leveraging data-driven insights.
- Cleaned, modelled and analysed 7 datasets to uncover insights into content trends to inform strategic decisions
- Prepared a PowerPoint deck and video presentation to communicate key insights for the client and internal stakeholders

### **CBRE Project Management Job Simulation on Forage**

**September 2024**

- Successfully completed a project management simulation at CBRE, demonstrating leadership and organizational skills
- Conducted an initial review of a showroom project plan for a global manufacturer of high-end kitchen appliances
- Developed a Gantt chart to track the progress of the project and considered the project's risks and dependencies

### **Commonwealth Bank Introduction to Data Science Job Simulation on Forage**

**September 2024**

- Effectively managed and analysed complex data sets in a simulation for Commonwealth Bank's Data Science team, delivering actionable insights and recommendations
- Demonstrated proficiency in creating data engineering pipelines to aggregate and extract valuable insights from datasets, optimizing data-driven decision-making.
- Acquired skills in anonymizing personal data within datasets, ensuring compliance with data privacy regulations.
- Proposed effective data analysis approaches, particularly related to social media, and demonstrated the ability to design well-structured databases for efficient information management.

### **Google AI Essentials**

**November 2024**

- Gained knowledge in leveraging generative AI tools to help develop ideas and content, make more informed decisions, and speed up daily work tasks.
- Learned to write clear and specific prompts to get the specific output and understanding how to use AI responsibly by identifying AI's potential biases and avoiding harm

### **IBM Data Science Professional Certificate**

**October – December 2024**

- Gained proficiency in data science tools and techniques, including Python, SQL, Pandas, Scikit-learn, and Jupyter, for data analysis and predictive modelling.
- Completed hands-on projects such as creating dynamic dashboards, predicting housing prices with regression models, and applying classification algorithms for loan repayment predictions.
- Developed skills in data visualization, statistical analysis, and machine learning to extract actionable insights and drive data-informed decisions.

- Built a portfolio of real-world projects demonstrating expertise in data wrangling, analysis, and advanced modeling techniques.

#### **IBM - Generative AI for Data Scientists Specialization**

**December 2024**

- Gained expertise in recognizing real-world applications of generative AI, identifying models and tools for text, code, image, audio, and video.
- Developed a deep understanding of prompt engineering concepts, including techniques for crafting impactful prompts.
- Learned how to select and apply generative AI tools for various data science use cases.
- Applied prompt techniques to generate and augment datasets, refining machine learning models for improved outcomes.

#### **IBM – Machine Learning Professional Certificate**

**April 2025 – Present**

- Master the most up-to-date practical skills and knowledge machine learning experts use in their daily roles
- Learning how to compare and contrast different machine learning algorithms.
- Developing working knowledge of KNN, PCA, and non-negative matrix collaborative filtering
- Constructing regression and classification models
- Predicting course ratings by training neural networks.