JOSHUA OLISA-EMODOH

DATA SCIENTIST & ELECTRICAL/ELECTRONICS ENGINEER

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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   **August 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.