

# **Uchechukwu Samuel Ekemezie**

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## **OBJECTIVE**

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I am a highly analytical and detail-oriented graduate with a MSc. in Applied Data Science in Engineering (Merit), a B.Eng. in Petroleum Engineering (2:1), and a passion for leveraging data to drive insights and informed decision-making. I possess strong problem-solving skills, excellent communication abilities, and a proactive approach to learning and task completion. I aim to make a valuable contribution to a challenging business environment and advance my career in a dynamic and rewarding setting.

## **EDUCATION**

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### **Applied Data Science in Engineering (MSc.) - Merit**

Glasgow Caledonian University • Glasgow, Scotland, United Kingdom | Jan 2023 – July 2024

### **Data Science, Machine Learning and AI Training**

Future Connect Training Institute • London, United Kingdom | Jul 2023 - Dec 2023

### **Google Data Analytics Professional Certification**

Google - Coursera • Online | April 2022 - Dec 2022

### **Petroleum Engineering (B.Eng.)**

Federal University of Technology • Owerri, Imo State, Nigeria | Sep 2006 - Feb 2011

- Graduated with Second Class Upper (CGPA 3.99)

## **SKILLS**

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- Outstanding data analytics skills (Data Cleaning and Wrangling, Data Processing, Data Analysis and Data Visualisations using SQL, R Language, Tableau, Power BI and Python Programming Language).
- Excellent IT skills and experience with Microsoft Office packages, ERP, and website design and development.
- Artificial Intelligence and Machine Learning skills
- Knowledge in the use of MapleSim, MATLAB and MADe software to build Digital Twin models of physical systems/assets for Predictive Maintenance and Prognostics Health Management
- Knowledge of Cyber Physical Systems and Industrial Control Systems Security
- Problem-solving skills and a desire to work with data and emerging technologies.
- Strong interpersonal skills and the ability to collaborate effectively.

- Ability to adapt and resilience to succeed in an evolving, fast-paced environment.

## PROJECTS

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### Sales Performance Analysis

Black and Scot, Glasgow, United Kingdom | March 2025

- Developed an interactive dashboard using Excel dashboard, Power BI and Tableau to track and analyze sales performance metrics using the Superstore Dataset.

### Data-Driven Optimization of Carbon Capture and Storage Techniques in the Oil and Gas Industry. (MSc. Project)

Glasgow Caledonian University, Glasgow, Scotland | United Kingdom May 2024

- Conducted a comprehensive literature review to explore the current state of CCS technologies, challenges and barriers to deployment of Carbon Capture and Storage technologies in the oil and gas sector.
- Developed a model that optimizes carbon capture efficiency and storage capacity and minimizes cost and environmental impact.
- Proposed recommendations and guidelines for the implementation and optimization of CCS technologies in the oil and gas sector, considering capture efficiency and project economics.

## WORK EXPERIENCE

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### AI and Data Analytics Intern

Black and Scot, Glasgow, Scotland, United Kingdom | March 2025 – Present.

- Assisting in developing and testing machine learning models to forecast customer demand, using libraries such as Scikit-learn and pandas.
- Creating interactive dashboards and visual reports using Power BI and Tableau to communicate insights clearly to non-technical stakeholders.
- Analysing internal business workflows to identify bottlenecks and suggested data-driven solutions to improve operational efficiency.

### AI Trainer (Domain Expert Reviewer) - Remote

Outlier AI, California, USA | May 2024 – Feb 2024.

- Evaluating and ranking code generated by AI models.
- Reviewing and approving tasks done by other experts in STEM expert domain.
- Write original and challenging prompts for an AI model to respond to and help craft original responses that you would want an AI model to respond with.
- Teaching LLMs to deliver highly efficient code following good programming practices.
- Ranking a series of responses that were produced by an AI model based on their accuracy and correctness.

- Editing responses written by an AI model to ensure their accuracy, factuality, and relevance.
- Providing details on the reasoning & logic behind different responses and evaluations.

### **Purchasing and Supply Chain Assistant**

Mardi Mari Investment Limited, Lagos State, Nigeria | August 2021 – January 2023

- Helped the company to reduce operational and procurement costs by 30% within the first two years of my service in the company by sourcing quality materials and service providers at an optimum cost.
- Ensured that raw materials and finished goods were adequately stored in the warehouse using FIFO procedure.
- Processed requisitions from different departments and updated my manager on the status of orders.
- Arranged transport of goods and tracked orders to ensure timely delivery.

### **Fleet Operations Executive**

Memose International Limited, Lagos State Nigeria | May 2019 – July 2021

- Managed and maintained over 500 vehicles including SUVs, Trucks, and Coaster Buses for over 3 years with various clients including Aggreko Power, Schlumberger, Weatherford, Total Energies, Ericsson etc.
- Ensured 100% compliance with the Trade Service Agreement between my company and our various clients.
- Monitored drivers' performance, ensured that safety measures stipulated in our HSE policy were strictly adhered to and ensured drivers' welfare were adequately taken care of to enhance optimum performance. This reduced LTI (Lost Time Injury) for the company by 80%.
- Acted as a liaison officer between the company, drivers and clients professionally.

### **Trainee Petroleum Engineer**

Salvic Petroleum Resources Limited • Lagos State, Nigeria | September 2017 - April 2019

- Worked as a member of multiple projects where I supported data acquisition and intervention proposals (RST, BHP, GLVCO, Zone changes, Dewaxing and perforation extension).
- Trained under Principal Production Technologists on building Integrated Production Systems using PROSPER and GAP software.
- Participated in field supervision for BHP surveys and Gas-lift valve change-out activities (GLVCO).
- Undertook routine surveillance for Oweh field in Delta State.

## **REFERENCES**

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Available on request.