

Owen Nda Diche

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PROFESSIONAL EXPERIENCE

National Assembly of Nigeria

Abuja, Nigeria

Data Analyst

Jan 2025 – Aug 2025

- Reviewed 30+ local and international petroleum regulations, delivering data-driven insights that strengthened legislative reform proposals.
- Built and maintained a Legislative Oil Production Dashboard, automating monthly reporting and delivering 95% data accuracy for lawmakers.
- Co-authored an Energy Transition Policy Whitepaper, forecasting 20–25% emissions reduction under recommended renewable adoption scenarios.
- Synthesized complex upstream datasets into concise policy briefs, accelerating senior decision-making by 15–20%.

NNPC Engineering and Technical Company Limited (NETCO)

Abuja, Nigeria

Project Data Analyst Intern

Mar 2023 – Aug 2023

- Maintained core project documentation (plans, risk registers, engineering reviews, meeting records).
- Analyzed project datasets to identify energy-optimisation opportunities, supporting up to 12% cost reduction.
- Contributed to digitalization of the project database, reducing data retrieval time by 30% and accelerating stakeholder reporting.
- Collaborated with cross-functional teams to resolve project bottlenecks, improving workflow coordination and task turnaround by 18%.

EDUCATION

University of Hertfordshire

Hatfield, United Kingdom

M.Sc. Data Science

2025 - 2026

Nile University of Nigeria

Abuja, Nigeria

B.Eng. Petroleum and Gas Engineering

2019 – 2024

PROJECTS | CERTIFICATIONS | SKILLS

PROJECTS: *Wind Turbine SCADA Performance Analysis*: Analysed 100k+ SCADA records to model turbine power curves and identify 5–12% performance underutilisation across operating regimes.

***Predictive Maintenance Modelling*:** Built classification models on 20k+ sensor observations, achieving 80% accuracy in identifying key drivers of equipment failure using Scikit-learn.

***Public Transport Behavior Analysis (2019–2022)*:** Applied statistical analysis and 8-term Fourier smoothing to 1M+ journeys, revealing 30–40% weekday peak demand reduction post-pandemic.

Portfolio with more projects: <https://owendiche.vercel.app/>

CERTIFICATIONS: Associate Data Engineer , Google Data Analytics Professional Certificate , Numerical Methods of ODEs and PDEs , Python for Data Analysis with practical projects, Microsoft Azure essentials.

SKILLS & TOOLS: Python, SQL, Pandas, NumPy, Exploratory Data Analysis (EDA), Machine Learning, Power BI, Excel, Matplotlib, Git, Jupyter Notebook