WILFRED CHIZURUKEME PRINCE

Data Analyst | Excel | SQL | Power BI | Python | Databricks

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PROFESSIONAL SUMMARY

Petroleum Engineering graduate with hands-on experience in data cleaning, analysis, dashboard development, and technical reporting. Proficient in Excel (Power Query, Power Pivot), SQL, Power BI, Python, and Databricks, with projects spanning gas flaring, global methane emissions, customer behaviour, and sales performance. Completed National Youth Service Corps service in the Strategy & Policy Division (Gas Department), Ministry of Petroleum Resources, supporting research, policy analysis, and reporting. Currently sharpening applied data skills through the GIZ Advanced Tech4Youth programme (data analysis track), with a strong interest in using data to drive better decisions in Nigeria's energy sector.

DATA ANALYSIS SKILLS

Data Analysis: Exploratory Data Analysis (EDA), Data Cleaning & Transformation, Data Validation, Descriptive Statistics, Trend Analysis, KPI Development
Tools: Microsoft Excel (Power Query, Power Pivot, Pivot Tables), SQL (MySQL), Power BI, Python, Databricks, Fivetran
Data Engineering & Modelling: ETL Pipeline Development, Data Modelling (table relationships), Data Reconciliation
SQL & Python: Filtering, Aggregation, GROUP BY, JOINs, CTEs, Window Functions | Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn
Professional: Research, Technical Reporting, Policy Analysis, Stakeholder Communication, Presentation Development

EXPERIENCE

GIZ Advanced Tech4Youth – ICT Skills Programme (Data Analysis Track) **Ongoing**

- Undertaking intensive, project-based training in data analysis covering data cleaning, data modelling, KPI design, and interactive dashboard development.
- Built the ABC Sales Dashboard in Excel: a Power Pivot data model linking Sales, Products, Customers, Branches, Returns, and Calendar tables, with year, month, and branch slicers tracking revenue (₦29.4M), profit (₦12.1M), a 41% profit margin, and a 3% return rate.
- Surfaced key findings from 2016–2019 data: profit growth of 101.85% in 2017, Ibadan as the top branch by profit, Road Bikes as the leading category, and "not meeting expectations" as the main return reason (~40%).

Graduate Assistant – Strategy & Policy Division (Gas Department) **Jul 2025 – Jul 2026**

Ministry of Petroleum Resources, Nigeria | National Youth Service Corps

- Collected, cleaned, and analysed technical and sectoral datasets to support research, reporting, and policy evaluation.
- Supported assessment of the Nigerian Gas Flare Commercialisation Programme (NGFCP) against Paris Agreement commitments, including flaring loss quantification and mitigation intensity analysis.
- Prepared analytical reports, internal memoranda, executive briefs, and presentations, synthesising multi-source research to support policy and strategic decisions.
- Used Excel to organise, validate, and visualise data, and worked with multidisciplinary teams to turn technical findings into clear reports.

SELECTED DATA ANALYTICS PROJECTS

Cloud ETL Pipeline *Databricks | Fivetran | Google Drive*

- Built an ETL pipeline in Databricks, using Fivetran to ingest data from Google Drive into Databricks tables for querying and analysis.
- Validated the pipeline by reconciling synced records against the source file and troubleshooting table location in Catalog Explorer.

Gas Flaring Volume & Intensity Analysis (2012–2025) – Personal project *Power Query | Excel | Power BI | SQL*

- Merged flare volume, flare intensity, and oil production tables in Power Query and calculated flare intensity per country, reconciling results against source values and flagging a mismatch for one country-year.
- Used SQL to query and aggregate energy-sector data, and built an interactive dashboard with slicers and calculated metrics to show flaring trends and their economic implications.

2022 Global Methane Emissions Analysis *Excel | Pivot Tables | Data Visualisation*

- Cleaned and structured global methane data, then analysed emissions by country, region, sector, subsector, and source to identify dominant contributors.
- Built interactive charts and applied validation and reconciliation checks to catch inconsistencies between source and transformed datasets.

Bike Purchase Customer Analysis *Excel | Pivot Tables*

- Cleaned a 1,000-record customer dataset and analysed how demographics, income, commute distance, and age relate to bike purchases, using KPIs and an interactive slicer dashboard to support customer targeting.

ROP Prediction – Drilling Data *Python | Pandas | NumPy | Scikit-learn*

- Applied preprocessing, feature analysis, classification, and predictive modelling to drilling datasets to investigate factors influencing Rate of Penetration (ROP).

EDUCATION

Bachelor of Engineering (B.Eng.) – Petroleum Engineering **2024**

Federal University of Technology, Owerri | Final-year project: finite element analysis (FEA) of G-105 drill pipe