# Daniel Dogbey

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Ghanaian github.com/ddkryptonite Portfolio

## PROFILE

Motivated Data Analyst with a strong foundation in Exploratory data analysis, visualization, and statistical analysis. Pivoting from a data entry role into data analysis. Proficient in Python, SQL,Version Control, Excel(Pivot Tables, VBA, Vlookup), Power BI & Tableau as evidenced from my portfolio. Passionate about continuous learning and improvement, and committed to delivering high-quality data insights to support business decisions.

## PROFESSIONAL EXPERIENCE

**Data Analyst - Portfolio Projects** 2021 – present
*Github Self-Driven Projects, (Ongoing)* Ghana

- **Analysis & Prediction of data science job listings dataset from kaggle with Python**, achieving a 70% accuracy rate in predicting job category roles with Decision Trees.
- **Analyzed data for 200+ car models**, achieving 85% accuracy and R-squared of 0.75 in CO2 predictions Explored fuel consumption models with a mean absolute error of 20.36.
- **Conducted Fast Food Chain analysis in Excel** & identified pricing anomalies for Manager Joao indicating localized pricing decisions needing management review.
- **Classified Telecommunications customers into service usage groups using Machine Learning, K-Nearest Neighbors (KNN)**. Achieved a train set accuracy of 54.75% and a test set accuracy of 32%.
- **Developed an interactive Power BI dashboard** for the hiring trends for top tech companies in the USA investigating number of jobs per locations, employees per industry etc.
- **Developed a Power BI dashboard** to analyze fuel consumption trends across various automobile models.Key insights included Miles per Gallon in the city , price and aspiration type.
- **Developed an interactive Power BI dashboard** comparing voice quality between MTN, with a 100% score and Telecel, with an 87% score, in 2022
- **Developed a Power BI dashboard** analyzing sales data for a cookie company with over 100 store locations visualizing a 99.04% increase in profit between September 1, 2018, and December 1, 2019.
- **Analyzed 2015 global population data using SQL and Python.** Extracted insights such as Ghana's population growth influenced by a birth rate of 77.09%, death rate of 17.90%, and migration rate of 5.01%.
- **Conducted SQL data analysis** on churn rate for customers of a SaaS company. Aimed to provide insights into subscriber retention and identify differences in churn rates between segments.
- Utilized Python, Power BI, Tableau, Excel and SQL for data wrangling & visualization.

**Data Research Analyst (Recruitment & Staffing)** 2021 – 2024
*IT Pros LLC* Philadelphia,USA, Remote-Ghana

- **Sourced and recruited talent** for remote and in-person roles, leveraging advanced search techniques and maintaining candidate profiles in ATS systems.
- **Conducted data audits** to ensure accuracy and completeness of candidate information, showcasing attention to detail and commitment to high-quality data management.
- **Managed recruitment processes** for diverse global teams, aligning with Deel's values of fostering a global workforce and understanding multiple cultures.

## EDUCATION

**Bachelors of Science in Computer Engineering** 2013 – 2017
*University of Ghana, Legon* Ghana

**Machine Learning with Python by IBM** 2024 – 2024
*Coursera*

**Data Analysis and Visualization with Python by IBM** 2024 – 2024
*Simplilearn*

## SKILLS

- Data Analysis : Excel (Vlookup, Pivot Table)
- Data Visualization: Power BI, Matplotlib, Plotly, Seaborn,Tableau,
- SQL, Jupyter Notebooks, Git
- Statistical Analysis
- Communication and Stakeholder Engagement
- Business Intelligence

## PROJECTS

**Data Analysis with Power BI, Python, SQL,Excel**

- **Fast Food Chain analysis in Excel**
  Identified pricing anomalies for Manager Joao indicating localized pricing decisions needing management review.

**Automobile Dataset Analysis & CO2 Prediction**
Conducted exploratory data analysis and visualization on automobile datasets using Python and Power BI.

**World Population Analysis (2015)**
Performed a comprehensive analysis of the 2015 world population data using Python