

# Daniel Dogbey

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🇬🇭 Ghanaian 🌐 github.com/ddkryptonite 🔗 Portfolio

## PROFILE

Highly motivated and analytical Data Analyst with a strong foundation in data analysis, machine learning, and statistical analysis. Pivoting from a data entry role into data analysis. Proficient in Python, Excel, SQL, Power BI & Tableau and web scraping techniques 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/Scientist - GitHub Projects

2021 – present

*Self-Driven Projects, (Ongoing)* 🔗

Ghana

- 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.
- 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%.
- Analyzed 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.
- Classified Telecommunications customers into service usage groups using K-Nearest Neighbors (KNN). Achieved a train set accuracy of 54.75% and a test set accuracy of 32%.
- Analyzed cookie sales data for over 100 store locations using Power BI leading to a 99.04% increase in profit between September 1, 2018, and December 1, 2019.
- Developed a Power BI dashboard to analyze fuel consumption trends across various automobile models. Key insights included that the peak RPM was 134K (16.47%) for turbo and 679K (83.53%) for standard aspiration types.
- Utilized Python, Power BI, Tableau, Excel and SQL for data wrangling & visualization.
- Conducted Fast Food Chain analysis in Excel & identified pricing anomalies for Manager Joao indicating localized pricing decisions needing management review.
- Published projects on GitHub, showcasing skills in data analysis and machine learning and version control using Git

### Data Research Analyst(Sourcer)-part time

2021 – 2024

*IT Pros LLC* 🔗

Philadelphia, USA,  
Remote-Ghana

- Accurately sourced and entered data from LinkedIn, maintaining up-to-date candidate profiles in the company database.
- Conducted regular data audits to verify the accuracy and completeness of candidate information.
- Utilized advanced search techniques to identify potential candidates based on specific job requirements.

## EDUCATION

### Bachelors of Science in Computer Engineering

2013 – 2017

*University of Ghana, Legon*

Ghana

### Machine Learning with Python

2024 – 2024

*Coursera* 🔗

### Data Analysis and Visualization with Python by IBM

2024 – 2024

*Simplilearn*

## SKILLS

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- Data Analysis with Python (Pandas,Numpy)
- Data Visualization:Matplotlib, Plotly, Seaborn,Tableau, Power BI,
- Machine Learning with Python
- Jupyter Notebooks, Git, SQL
- Data Analysis with Excel (Vlookup, PowerQuery,Pivot Tables)

## PROJECTS

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### Data Analysis with Python, SQL,Excel,Visualization Tools

- **Data Science Jobs Prediction:** Used a predictive decision tree model to forecast role categories from job listings.
- **Automobile Dataset Analysis:** 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