

## IRENE GICHANA

### Data Analyst

Nairobi, Kenya | +254 707 301 767 | [irenegichana5@gmail.com](mailto:irenegichana5@gmail.com) | [LinkedIn](#) | [GitHub](#)

## **Summary**

Results-driven Data Analyst with 2+ years of experience in data analysis, reporting, and AI-driven solutions. Strong foundation in statistics, Python, R, SQL, and machine learning, complemented by hands-on work with generative AI. Committed to delivering clear, data-driven solutions in fast-paced, data-centric environments.

## **Skills**

Programming & Analysis: Python, SQL, Excel, NumPy, Pandas, Scikit-learn

Data Visualization / Business Intelligence: Power BI, Tableau

Databases & Tools: MySQL, PostgreSQL, Oracle, Git

Machine Learning and AI: Regression, Classification, Model Evaluation, LLaMA, Retrieval-Augmented Generation (RAG)

Extract, Transform, Load (ETL): Data Cleaning, Feature Engineering

Soft Skills: Communication, Collaboration, Attention to Detail

## **Projects**

### **House Price Prediction with Linear Regression** [GitHub](#)

- Implemented a linear regression model to predict house prices based on several features.
- Explored the relationship between house features and pricing, focusing on the impact of individual variables.

### **Sales Analysis Dashboard** [GitHub](#)

- Built a dashboard to visualize KPIs and analyze sales performance, revealing key trends in customer demographics, product categories, and payment methods.
- Recommended strategies to boost revenue, including targeting younger customers and optimizing sales promotions.

## **Professional Experience**

### **Sales Analyst**

*Synergy Styles and WebWorks – Remote*

July 2023 – Present

- Built dynamic dashboards using Power BI to track key sales metrics, improving data visibility for stakeholders.
- Analyzed pricing trends and customer data to optimize pricing strategy, leading to a 15% increase in customer engagement.

### **Data Analyst**

*Jampasong Enterprise – Nairobi*

June 2022 – July 2023

- Designed Power BI dashboards to monitor operational KPIs, enabling data-driven decisions across departments.
- Improved data accuracy by 20% through the development of data validation and cleansing procedures in Excel and Python.
- Conducted exploratory data analysis (EDA) to identify trends and outliers for monthly performance reviews.

### **ICT & Systems Support Attaché**

*County Government of Nakuru – Nakuru*

April 2022 – June 2022

- Provided system-level support, including software upgrades, data backups, and issue resolution.
- Participated in database maintenance, user access control, and IT infrastructure improvement.

## **Education**

### **Egerton University**

*Bachelor of Science in Computer Science*

Graduated: February 2023

## **Certifications**

- Analyzing and Managing Data with Excel - LinkedIn Learning
- Data Analysis with SQL - DataCamp
- Data and AI Specialist - Cyber Shujaa