SHADRACK OMONDI OHUNGO

Nairobi, Kenya

📞 +254 721 693129 ✉ shadrackohungo@gmail.com GitHub profile LinkedIn profile

Professional Summary

I am a data analyst with hands-on experience in Python, SQL, and Tableau, backed by a strong academic foundation in actuarial science. I specialize in data cleaning, exploratory analysis, and visualization to uncover insights that inform business decisions. My project work spans predictive modeling in real estate and stock markets, alongside dynamic dashboard development. I bring analytical rigor, coding proficiency, and a passion for problem-solving in data-rich environments.

Education

Jomo Kenyatta University of Agriculture and Technology   **2019 – 2024**
BSc. Actuarial Science   *Nairobi, Kenya*

Syracuse Technology Training College   **May 2023 – Sep 2023**
Data Analysis with Python   *Nairobi, Kenya*

Relevant Coursework

- Data Analysis
- Statistical Modeling
- Database Management
- Machine Learning
- Python Programming
- Data Visualization

Experience

Tricore Construction Ltd   **Jan 2025 - Present**

Data Analyst (Freelance)   *Remote*

- Analyzed project costing and supplier data, leading to a 12% reduction in material procurement expenses through data-driven recommendations.
- Automated site inventory tracking using Python scripts, reducing manual errors and improving stock accuracy across construction sites.
- Collaborated with engineers and procurement teams to visualize equipment usage and generate weekly performance insights using Tableau.
- Prepared detailed analytical reports that improved transparency in project resource allocation and budgeting.

Equity Bank Limited   **Dec 2023 – Mar 2024**

ELP Champion   *Ngong, Kenya*

- Participated in the selection process of Wings to Fly applicants and entered applicant data into the DMIS database.

Equity Bank Limited   **Feb 2019 – Aug 2019**

Pre-University Intern   *Ngong, Kenya*

- Supported front office operations including account opening, loan processing, customer service, and mobile banking.

Projects

Real Estate Price Prediction Model - *Python, Random Forest*   **2024**

- Built a regression model using Random Forest to estimate house prices based on features like location, proximity to MRT, and age.
- Achieved strong performance with **R²: 0.778** and **MAE: 4.71**, after geospatial clustering and feature engineering (e.g., proximity-convenience score).

Stock Market Forecasting with LSTM - *Python, TensorFlow*   **2024**

- Developed a deep learning model using LSTM to predict stock prices using historical data and technical indicators.
- Reached **R²: 0.84**, **MAE: 247.53**, and **RMSE: 339.80** — with a 50% improvement over baseline models by integrating the Exponential Moving Average (EMA).

Customer-Product Retail Analytics Dashboard - *Python, SQL, Tableau*   **2025**

- Built interactive dashboards analyzing revenue, profit, and quantity by customer demographics and product categories.
- Created SQL views using CTEs and subqueries, with filters for year, product, and store type. Found that ages 30–50 and "Men" subcategory drove highest revenue and profit.

Skills

- **Programming Languages:** Python (NumPy, Pandas, Scikit-learn, TensorFlow), SQL
- **Tools:** Tableau, Git, Jupyter Notebook
- **Data Analysis:** Cleaning, EDA, Feature Engineering, Outlier Detection
- **Machine Learning:** Regression, Classification, Clustering, Time Series (LSTM), Random Forest
- **Visualization:** Tableau, Matplotlib, Seaborn
- **Database:** CTEs, Joins, Subqueries
- **Statistics:** Hypothesis Testing, Risk Modeling, Distributions
- **Professional Skills:** Statistical Analysis, Data Interpretation, Mathematical Modeling, Problem-Solving