GEORGE KINUTHIA MWAURA

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Github: github

PROFESSIONAL PROFILE

A highly motivated Data Analyst with a strong analytical, statistical, and programming skills to contribute to the team's objectives. Eager to gain hands-on experience in data analysis and contribute to data-driven decision-making.

SKILLS

TECHNICAL SKILLS:

- **Programming Languages:** Python, SQL
- **Databases:** MySQL, Microsoft SQL Server
- **Machine Learning:** Scikit-learn, Model Evaluation
- **Web Development:** Streamlit
- **Visualizations:** Power BI, Tableau

SOFT SKILS:

- Problem solving skills
- Attention to detail
- Good communication skills
- Team player

EXPERIENCE

AFRIPIXEL SOLUTION
Data Analyst Intern April 2024 – Nov 2024

- Assisted in cleaning, transforming and analyzing datasets using Python and SQL to extract actionable insights.
- Supported Senior Analyst in creating weekly and monthly reports on key performance indicators (KPIs).
- Helped design and implement dashboards in Tableau for internal Stakeholders to track business performance.

SPECIALIZED ENGINEERING
Lift Technician Sept 2023 – Feb 2024

- Always engaged with clients to have a good understanding of how the lift's been functioning.
- Maintaining monthly maintenance records and conducting routine maintenance.
- Responding to mechanical failures and system malfunctions.

PROJECTS

DIABETES PREDICTION USING ML (Machine Learning): LINK
Tools: Python (Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn)

- Conducted feature engineering**,** converting categorical variables into numerical formats.
- Built machine learning models with Random Forest achieving the highest accuracy of 0.98**.**

CUSTOMER SEGMENTATION AND TIME FORECASTING: LINK
Tools: Python, Power BI

- Conducted RFM analysis to segment customers based on Recency, Frequency, and Monetary value.
- Built two Tableau dashboards:
  1. A KPI-focused dashboard highlighting key sales metrics.
  2. An RFM analysis dashboard for customer segmentation insights.

STREAMLIT BREAST CANCER PREDICTOR: LINK
Tools: Python (Pandas, Numpy, Scikit-learn), Streamlit, Google Colab

- Built a diagnostic tool to predict if a breast tumor is benign or malicious based on user-input features.
- Used Google Colab for data analysis and model development with Logistic Regression and Random Forest; Logistic Regression achieved the best accuracy.
- Deployed a user-friendly Streamlit app allowing real-time diagnosis predictions.

EDUCATION

Kenya Institute of Highways and Building Technology (KIHBT)
Diploma in Electrical Engineering, Feb 2021 – Nov 2022

CERTIFICATIONS

- **ALX:** Data Analytics Program – Currently here.
- **Coursera:** Google Data Analytics
- **Free Code Camp:** Data Analysis with Python

REFEREES

Carol Akino
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