SUSAN MUGO

Data Analyst || Full-Stack Web & Mobile Developer

CONTACT

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PROFESSIONAL SUMMARY

Highly skilled Data Analyst and Web/Mobile App Developer with expertise in data-driven decision-making and full-stack development. Experienced in using SQL, Python, and data visualization tools to extract key insights, as well as building robust applications using Flutter, Node.js, Angular, and MongoDB. Adept at solving complex problems with user-centered solutions.

EDUCATION

2022 - 2025
- Bachelor of Science in Business Information Technology (BBIT)

DEDAN KIMATHI UNIVERSITY OF TECHNOLOGY

SKILLS

- Data Analysis: Python (Pandas, Numpy), SQL, Excel, Data Mining & Warehousing.
- Visualization: Power BI, Tableau, Matplotlib.
- Frameworks: Flutter, Dart, Node.js, Express.js, JavaScript, HTML/CSS.
- Databases: PostgreSQL, MongoDB, MySQL, Firebase.
- Angular
- IT Solutions

WORK EXPERIENCE

IT Attachee - **PGH Nakuru**   JANUARĨY-APRIL 2025
- Supported IT systems and databases.
- Performed data analysis for hospital operations.

Data Science Lab – WorldQuant University (Ongoing):
- Participating in real-world data projects using Python and Machine Learning.

Mũhinyia wa Maũndũ ma LLM – Outlier Platform (Kwa Mtandao)
- Contributing to projects involving Large Language Models (LLMs) by designing and refining effective prompts.
- Evaluating AI model outputs for accuracy, relevance, and clarity to improve overall performance.
- Utilizing Python for various automation tasks.

PROJECTS

- Air Quality Prediction – Nairobi: A data science project focused on predicting air pollution levels and environmental health within Nairobi.
- Real Estate Price Prediction – Mexico and Buenos Aires: A predictive modeling project using data analysis to forecast housing market prices in major Latin American cities.
- Mwihokano Portfolio Website: An animated professional portfolio website designed to showcase Susan's work, skills, and creative journey.
- Electronic Device Tracking App: A mobile application designed to track the location and status of electronic devices (such as phones or laptops) in real-time.

LANGUAGES

- English (fluent)
- Swahili (fluent)