Kiarie Josephat

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I develop production-ready ML and software systems with a focus on reproducibility, clean engineering, and well-structured pipelines. Experienced in data science, data analysis, and machine learning, including computer vision, predictive modeling, clustering, and regression analysis. Skilled in Python with clean project documentation.

SKILLS

SQL databases

Machine Learning Engineering

Data Analysis and Business Intelligence

Data Science and Statistical Analysis

Python Programming

BI tools expertise

Large dataset Manipulation

EXPERIENCE

Fate Dynamics, Nairobi — *Data Scientist*

FEBRUARY 2025 - OCTOBER 2025

Building, testing and optimizing high-performance Python systems used in large-scale Data Science and Machine Learning.

Designing and maintaining modular, clean and Production ready machine learning models.

Collaborating with cross-functional teams (data, business, research engineers) to deliver optimized solutions.

Ministry of Youths & Culture, Muranga — *Data Analyst Intern*

JANUARY 2023 - JULY 2023

Supporting data driven decision making across youth, women and people with disabilities self help groups supported by the ministry.

Providing actionable recommendations based on Data analysis.

Ensuring data accuracy and integrity.

Creating reports, dashboards, and visualization to communicate insights.

PORTFOLIO PROFILES, WEBSITE

Portfolio Website:
https://kamijoseph.github.io/Portfolio

Github Profile:
https://github.com/kamijoseph

LinkedIn Profile:
https://linkedin.com/in/kiarie-josephat-85625a264/

EDUCATION

Pioneer University, Nairobi — *Degree*

MONTH 2021 - Present

Bachelor of Arts in International Relations and diplomacy with IT expected in November 2026.

Power Learn Project, Remote — *Certificate*

JULY 2025 - DECEMBER 2025

Certificate in Data Science and Artificial Intelligence for Software

Engineering and Business Intelligence.

Data Analytics Bootcamp, Remote — *Certificate*

 JULY 2025 - DECEMBER 2025

Certificate in data analysis and Business Intelligence.

PROJECTS

1. Multiple Diseases Diagnosis: ML-powered diagnostic web application that predicts multiple diseases using streamlined preprocessing and a responsive Streamlit interface.
2. Shambani – Crop Recommendation System: Data-driven crop recommendation engine that analyzes soil and environmental features to suggest optimal crop choices.
3. Cat vs. Dog Classifier (MobileNetV2): Transfer-learning computer-vision model built on MobileNetV2 for high-accuracy real-time cat and dog image classification.
4. Rainfall Prediction System: Regression-based rainfall forecasting tool trained on historical weather data to support agricultural and planning decisions.
5. Personalized Fitness Web App: Adaptive fitness recommendation platform that generates personalized workout guidance from user-submitted metrics.
6. Air Quality Prediction Web App: Predictive analytics application estimating air-quality levels from environmental and pollutant indicators.
7. The Mall Customer Segmentation: Unsupervised learning system using clustering algorithms to segment mall customers by spending patterns and demographic attributes for targeted marketing insights.