

DANIEL NZIOKI MUSYOKA

Data Science and Artificial Intelligence Intern

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Nairobi, Kenya

Data-driven professional with hands-on experience in data science, analytics, and AI. I contribute to impactful initiatives at the Kenya Revenue Authority, supporting intelligent decision-making via data exploration, predictive modeling, and automation, translating complex data into clear insight driving innovation.

Work Experience

Data Scientist an AI, Data Analysis

May 2025 - Present

Kenya Revenue Authority | Nairobi, KEN

Currently contributing as a Data Science, Data Analysis, AI, and Data Engineer Intern at the Kenya Revenue Authority. I support intelligent decision-making by applying data exploration, predictive modeling, and automation, translating complex data into clear insights to drive innovation.

- Data-Driven Decision Support: I support intelligent decision-making at the Kenya Revenue Authority by leveraging data analysis techniques to inform revenue forecasting and resource allocation.
- Predictive Modeling & Automation: I apply predictive modeling and automation to improve processes and outcomes within revenue collection and risk profiling, specifically targeting areas such as taxpayer compliance and fraud detection.
- Data Insight Generation: I translate complex datasets into clear, actionable insights to facilitate the creation of reports on revenue collection trends, performance indicators, and potential areas for improvement.

ICT support attaché

May 2023 - Aug 2023

The University of Nairobi | Nairobi, KEN

Spearheaded user support for the Faculty of Engineering, troubleshooting network, internet, and computer issues. I maintained university network infrastructure by repairing switches and configured diverse software and hardware (printers, scanners). Proactively resolved technical challenges, ensuring seamless operations

- I. Delivered comprehensive user support for the Faculty of Engineering, resolving network, internet, and computer
- ii. Maintained and repaired network equipment, including switches for various faculties, ensuring smooth operation of the university's network infrastructure.
- iii. Demonstrated technical expertise by installing and configuring software, applications, system drivers, and various peripheral devices (printers, scanners,).
- iv. Proactively anticipated user needs, troubleshooting and resolving hardware and software issues for printers, scanners, and photocopiers, minimizing downtime

Projects

Web-Scrapping using Python and Beautiful Soup

May 2025 - May 2025

This project used Python in Google Colab to scrape, clean, and structure web data into a pandas Data Frame using requests and Beautiful Soup, then exported it to a .csv file for easy analysis and future use.

Core Skills

Data Analysis Tools : Python (pandas, SQL, PostgreSQL, Data Management : Data evaluation, data mapping,
Programming : Python, SQL, JavaScript, system troubleshooting, Office Tools : Microsoft Office Suite,
Communication : Effectively interact with diverse teams,
Decision-Making : Analyze complex data sets and prioritize actions for optimal outcomes.,
Problem-Solving : Tackle challenges proactively,
Teamwork and Collaboration : Build rapport and work effectively with team members to meet shared goals.

Education

THE CATHOLIC UNIVERSITY OF EASTERN AFRICA

Aug 2019 - Oct 2023

Bachelor of Science Computer Science

GPA: 3.2

Certificates

Responsive Web Design

FreeCodeCamp

Mar 2023

Scientific Computing

FreeCodeCamp

Jan 2023

AI Career Essentials

ALX

Jul 2024