

Peter Nyenzo Isabwa

Data Scientist

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I am a dedicated Data Scientist with expertise in machine learning, data analysis, and web development. My passion lies in transforming data into actionable insights and developing robust machine learning models to address real-world challenges. I thrive in environments with minimal supervision and excel at meeting tight deadlines. Additionally, I have a keen interest in creating interactive websites and web applications.

Work Experience

Freelance Programmer

Nairobi, Kenya

Data Scientist, Software Developer

Jan 2023 - Present

- Developed an AI investment advisor featuring an advanced stock predictor, achieving over 90% accuracy on real-world data.
- Collaborated with a small business to create a dashboard for analyzing tender bidding success rates, providing insights for strategic improvements.

Strummels Investments

Sales and Marketing Intern

Jan 2019 - May 2019

- Increased client acquisition by conducting targeted door-to-door marketing efforts, resulting in a significant boost in sales.

Education

JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY

Sep 2018 - May 2025

Bachelor of science in Mathematics and Computer science

Skills

Problem Solving., Objective, Teamwork, Time Management, Leadership, Effective Communication, Critical Thinking, Machine Learning, Data Analysis, Deep learning, NodeJs, NextJs, React, HTML, CSS, Git, Firebase, MySQL, MongoDB, PostgreSQL

Projects

Predicting Adverse Pregnancy Outcomes in Kenya Using Machine Learning

Oct 2024 - Apr 2025

JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY

Developed a decision tree-based machine learning model to predict adverse pregnancy outcomes using the 2022 Kenya Demographic and Health Survey (KDHS) dataset. Analyzed key factors such as total pregnancies, birth intervals, and education level to identify risk patterns, achieving up to 90.83% sensitivity. Compared weighted and unweighted models to assess prediction reliability, providing actionable insights for targeted maternal healthcare interventions in Kenya. Conducted at Jomo Kenyatta University of Agriculture and Technology under Dr. Barini's supervision.

Certifications

Certification In AI

HUAWEI

Feb 2025 - Jun 2025

Certification in Software Engineering

ALX AFRICA

Feb 2023 - Apr 2024