

Lewis Gitonga Muriuki

Medical Student & Technology Enthusiast

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Professional Summary

A dedicated medical student at the University of Nairobi with a strong passion for technology, specializing in Artificial Intelligence, Machine Learning, and Full-Stack Web Development. Recently completed intensive training at Power Learn Project Africa (Feb 2025 - Jul 2025) with a focus on AI/ML. Combines medical expertise with technical skills to develop innovative healthcare solutions and applications.

Education

Bachelor of Medicine and Bachelor of Surgery (MBChB)

Expected 2028

University of Nairobi

AI & Machine Learning Specialization

Feb 2025 - Jul 2025

Power Learn Project Africa

Intensive training program covering fundamental and advanced concepts in artificial intelligence, machine learning algorithms, neural networks, and practical applications.

Technical Skills

Programming Languages

Python (AI/ML Focus)

JavaScript/TypeScript

SQL

Frameworks & Libraries

React.js

Node.js

TensorFlow/PyTorch

Databases

PostgreSQL (Supabase)

MongoDB

Firebase

AI/ML Specializations

Natural Language Processing

Computer Vision

Predictive Modeling

Technical Projects

Fundi-Client Connection Platform (Bolt-like Service)

React.js, Node.js, Supabase, Mapbox API

- Developed a full-stack platform connecting service providers (fundis) with clients
- Implemented real-time location tracking and service matching algorithms
- Integrated secure payment processing and rating system

AI-Integrated Hospital Management System

Python, TensorFlow, React.js, MongoDB

- Created comprehensive hospital management system with AI-powered features
- Implemented patient flow prediction models to optimize resource allocation
- Developed diagnostic suggestion system based on patient history and symptoms

Foul Language Detection AI

Python, NLP, Transformers, Flask

- Trained custom NLP model to detect and classify inappropriate language
- Implemented context-aware analysis to reduce false positives
- Deployed as API for integration with various platforms

Medical Experience & Research

Research on Hemophilia

2024

- Conducted comprehensive literature review on current hemophilia treatments
- Analyzed patient data to identify patterns in treatment outcomes
- Presented findings at university research symposium

Clinical Electives - Surgical Training

2023-2024

- Completed rotations in general surgery, orthopedics, and emergency medicine
- Assisted in various surgical procedures under supervision
- Developed patient management plans for post-operative care

Professional Attributes

- Strong analytical skills with ability to bridge medical and technical domains
- Proven ability to manage complex projects with interdisciplinary requirements
- Excellent problem-solving skills with innovative approach to challenges
- Effective communicator able to explain technical concepts to non-technical audiences
- Commitment to continuous learning in both medical and technological fields