

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, becoming a **certified AI/ML developer**. Combines medical expertise with technical skills to develop innovative healthcare solutions, demonstrated through **award-winning hackathon projects**.

🎓 Education

Bachelor of Medicine and Bachelor of Surgery (MBChB)

Expected 2028

University of Nairobi

Software Development (AI Specialization)

Feb 2025 - Jul 2025

Power Learn Project (PLP) Africa - *Certificate Awarded*

Intensive 16-week program covering Python, Web Technologies, Databases, and Software Engineering, with a specialization in **AI for Software Engineering**.

📄 Download CV

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

Certifications & Achievements

Software Development (AI Specialization)

Power Learn Project (PLP) Africa

Successfully completed a 16-week program in Software Development with a specialization in AI for Software Engineering.

ITCILO Hackathon Certificate

International Training Centre of the ILO

Awarded for developing an innovative tech solution in a competitive hackathon environment.

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

- 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

- 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

References available upon request