

KELLEN WANJIRU

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Objective

Results-driven Business Information Technology graduate with expertise in software development, data science, and IT solutions. Seeking an IT role to leverage technical skills in programming, database management, and system optimization to drive efficiency and innovation.

Education

Dedan Kimathi University of Technology, Business Information Technology

Expected graduation April, 2025

Relevant Coursework: Data Structures, Machine Learning, Mobile Application Development, Database Systems, Software Engineering, IT Infrastructure

Technical Skills

- **Programming Languages:** Python, Java, JavaScript, SQL
- **Web Development:** HTML, CSS, React, Node.js
- **Databases:** MySQL, Firebase
- **IT Tools & Frameworks:** Git, TensorFlow, Flutter
- **Operating Systems:** Linux, Windows
- **Networking & Security:** Network Administration, Cybersecurity Basics

Projects

BMI-Based Health & Fitness Mobile Application

- Developed a mobile application using **Machine Learning** to determine a user's **BMI** and provide personalized health recommendations.
- Integrated **real-time food recommendations** based on BMI, location, and dietary restrictions (e.g., allergies).
- Suggested **customized exercise plans** and displayed **progress tracking charts** to help users monitor fitness improvements.

- Built using **Android for frontend, Firebase for backend, and TensorFlow for Machine Learning predictions.**

IT System Optimization Project

- Conducted performance analysis and optimization for an enterprise IT system, improving database query efficiency by **30%**.
- Implemented **automation scripts** in Python to streamline IT operations and reduce manual workload.
- Enhanced system security protocols, reducing vulnerability risks by **20%**.

Experience

Nyahururu Referral Hospital– IT Intern

September 2024 – December 2024

- Assisted in maintaining hospital IT infrastructure, ensuring seamless operation of patient record systems.
- Provided technical support for software and hardware issues in various hospital departments.
- Contributed to the development and optimization of **healthcare database systems** to improve data accessibility and security.
- Helped implement **cybersecurity measures** to protect sensitive patient data.

IT Support & Technical Assistance

- Provided technical support and troubleshooting for software and hardware issues.
 - Assisted in **server maintenance and network configuration** to ensure smooth IT operations.
 - Managed cloud-based infrastructure using **AWS and Docker**.
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