

EDWARD MUTETHIA MURITHI

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CAREER OBJECTIVE

I am a motivated ICT professional with hands-on experience in software engineering, database management, and IT support. Passionate about leveraging technology to streamline processes and develop innovative solutions, while continuously enhancing my skills in networking, cybersecurity, system development, and emerging technologies

SKILLS

- **Programming:** Python, HTML, CSS, JavaScript
- **Database Management:** MySQL, PostgreSQL
- **Web Development:** Frontend (HTML, CSS, JavaScript/ReactJS)
- **Operating Systems:** Windows, Linux (Debian/RedHat)
- **Tools:** Git, VS Code

PROJECTS

- **QR-Code Attendance Management System**
 - Designed and implemented a scalable backend enabling real-time student check-in with QR codes.
 - Reduced manual attendance processing time by 80% through automation.
- **Secure Vault – Password Manager (Python)**
 - Created an Encrypted Password storage that uses strong encryption (AES-256)
 - Uses a Master Key protection to access all stored credentials using a single, securely hashed master password.

PROFESSIONAL EXPERIENCE

IT Attachment - Jeremiah Nyagah National Polytechnic (Apr 2025 - Aug 2025)

- Participated in teaching IT technical units and guided students in software engineering fundamentals reinforcing subject mastery through mentorship.
- Developed a functional prototype of QR Attendance Management System, applying skills in database management, networking and software engineering; project not implemented institution-wide.
- Collaborated on college network, Hardware and Software Troubleshooting and improvements.

EDUCATION & MY LEARNING JOURNEY

Murang'a University of Technology

Kenya

Diploma in Information Communication Technology

Graduated, 22 August 2025

- **Concentrations:** Software Engineering
- **Related Coursework:** Programming & problem solving, Object-Oriented Programming, Networking, IT Support, System Analysis & Design, Database Design & Management, Repair & Maintenance, Cyber Security.

My Learning Journey:

- **ALX Africa** – Full-Stack Software Engineering Program (2023 - 2024)
- **Self-Taught Developer** – freecodeCamp (*Responsive Web Design & Scientific Computing Using Python Certification*), Youtube, Docs, & Open Source Contributions *2022 – Present*