

PETER MUTURI MUIGAI

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PROFESSIONAL SUMMARY

Versatile Business Information Technology graduate with a hybrid skill set across full-stack development, hands-on ICT support, and AI/ML applications. Combines end-to-end web development expertise with practical AI/ML project experience and robust technical troubleshooting abilities. Builds modern, scalable applications while supporting and maintaining digital infrastructure, automating workflows, and translating data into actionable insights. Adaptable and solutions-focused, with a proven ability to deliver reliable, user-centered systems across both development and operational environments.

WORK AND EXPERIENCE

1. ICT INTERN

UNIVERSITY OF EMBU (JULY 2025- Present)

- **Software & Hardware Management:** Installed, updated, and troubleshoot software and hardware, including assistive technologies.
- **Network & Security Management:** Monitored network performance, implemented security protocols, and ensured compliance with IT policies.
- **Inventory & Resource Management:** Tracked and managed lab equipment and scheduled maintenance.
- **Lab Administration & Maintenance:** Oversaw daily lab operations, ensuring all systems were secure and functional.
- **Data Analysis & Reporting:** Used Excel and Power BI to generate lab usage reports and troubleshoot trends, aiding in strategic IT planning.

2. Software Development Trainee -- Teach2Give

September 2025 -- present

- Completed comprehensive training in full-stack development
- Designed and developed RESTful APIs for web application integration
- Built responsive web applications and websites with focus on performance and user experience
- Collaborated on team projects using Git for version control and code collaboration
- Applied AI concepts to develop intelligent features in web applications

3. ICT ATTACHEE

ICT Department and Governor's Delivery unit, Embu County (MAY 2024 – SEP 2024)

- Provided comprehensive ICT support across county departments, ensuring smooth digital operations
- Conducted computer training for county staff and community members, improving digital literacy level
- Assisted in website content management and updates for county digital platforms
- Supported the digitization of county records and services, contributing to e-government initiatives
- Troubleshot hardware and software issues, providing timely technical support to county employees
- Collaborated with the Governor's Delivery Unit on ICT-related projects and reporting systems

4. Cyber Attendant

Palmshade Cyber (May 2021-August 2021)

- Designed promotional posters and marketing materials using graphic design software
- Assisted customers with printing, scanning, and document services
- Resolved technical issues related to computers, printers, and internet connectivity
- Delivered exceptional customer service and technical support
- Managed digital services and maintained cyber café equipment

5. IEBC Clerk – 2022 General Elections

- Managed digital records and coordinated reporting at Kagongo Primary polling station.
- Ensured accurate data entry and electoral process documentation
- Maintained integrity of digital electoral systems during the voting process

EDUCATION BACKGROUND

1. University of Embu

- Bachelor of Business Information Technology
Sep 2021 - Sep2025

2. Geta Secondary School

- Kenya Certificate of Secondary Education (K.C.S.E)
Jan 2016 – April 2021

CERTIFICATION AND ADDITIONAL TRAINING

1. **Full stack Developer:** Teach 2 Give.
2. **Cisco Courses:** Networking Basics, Network Addressing and Basic Troubleshooting.
3. **Huawei Certification:** Huawei Certified ICT Professional(Ongoing)
4. **ICT Authority:** Foundation to Artificial intelligence.

SKILLS

- **Networking and Security:** Network configuration, troubleshooting, Cybersecurity, cable termination.
- **Programming:** Python, Java, Typescript, JavaScript, C.
- **Web Development:** React, Tailwind CSS, Angular, HTML5, CSS3, Hono.js, Node.js, Express.js

- **Databases:** MSSQL, MySQL, PostgreSQL, MongoDB.
- **Artificial Intelligence & Machine Learning:** Python for AI/ML, Predictive Modeling, Forecasting Systems, Data Analysis.
- **Multimedia & Design:** Graphic Design, Video Production, Photography, Digital Content Creation
- **Version Control:** GitHub, Microsoft office, Microsoft 365, Visual Studio, Android Studio, NetBeans, Eclipse and Wireshark
- **Professional Skills:** Project Coordination, Technical Training, Stakeholder Communication, Presentation Skills

LEADERSHIP & TRAINING

- Male Representative – University of Embu Student Association (2024–2025)
- CIT Departmental Representative – University of Embu Student Association (2023–2024)
- Founder & the Coordinator – Code and Tech Club, University of Embu
- Treasurer – University of Embu Christian Union IT Ministry (2023–2024)
- Prayer representative - University of Embu Christian Union IT Ministry (2022-2023)
- Public Administrator – Nyandarua Youth Federation, Kipipiri sub county

COMMUNITY ENGAGEMENT

- Trained peers in multimedia skills (projection, posters, photography)
- Participated in Kangaru market clean up activity organized by University of Embu student association.
- Participated in Tree planting activity organized by University of Embu on 10th November 2023
- Participated in Embu town clean up activity organized by University of Embu on 8th October 2022

LANGUAGES

• Kiswahili

• English

REFEREES

1. SUMBA JERRY

LECTURER, UNIVERSITY OF EMBU
TEL NO: 0708273213

2. PAUL GITHINJI

ICT OFFICER IN UNIVERSIY OF EMBU
TEL NO: 0716175347

3. DR. CONSOLATA GAKII

SENIOR LECTURER, UNIVERSITY OF EMBU
TEL NO: 0715319763