

PERSONAL PROFILE

I am at my best in a profession where I can concentrate on my tasks, and have some level of both independence and collaboration in decision-making. Am also confident and succeed in handling multiple tasks simultaneously, and hectic and changing work suits me very well. Tasks where I have an opportunity to solve problems bring the best out of me. I also pose outstanding communication skills, interpersonal and influencing to build strong working relationships with management and employees, Strong analytical, sound planning and organizing skills, also skilled in computer usage.

EDUCATION

- **Dedan Kimathi University of Technology** Kenya, Nyeri
Master of Science in Computer Science; Sep. 2023 – Present
- **Dedan Kimathi University of Technology** Kenya, Nyeri
Bachelor of Science in Information Technology; Aug. 2019 – July. 2023
- **Tangulbei High School** Kenya, Marigat
Kenya Certificate of Secondary Education; Jan. 2013 – Dec. 2018

EXPERIENCE

- **Dedan Kimathi University of Technology** Kenya, Nyeri
Graduate Research Assistant - Computer Science and IT Oct 2023 - Present
 - **Research Experience:** Conducting literature reviews and data analysis, Contributing to research proposals and publications, Presenting findings at conferences and seminars.
 - **Programming:** I Developed and delivered comprehensive lectures on core computer science concepts, including Data Structures, Algorithms, Programming Languages, Compiler Construction, Networking, and Hardware/Software Systems.
 - **Skills:** I Introduced innovative teaching methodologies, such as hands-on coding exercises and real-world case studies, leading to a 30 increase in average student grades and 25 improvement in student comprehension. Ensured alignment with industry standards and emerging technologies, providing students with up-to-date knowledge.
- **Nyeri Huduma Centre** Kenya, Nyeri
ICT Support Technician Jan 2021 - Oct 2021
 - **Troubleshooting Networks::** Identified and resolved network issues to ensure seamless connectivity for staff and clients. Diagnosed network problems using various tools and techniques, such as ping tests, traceroute, and network monitoring software. Collaborated with network administrators to troubleshoot complex network infrastructure issues.
 - **Configuring Virtual Machines:** Installed and configured virtualization software such as VMware or VirtualBox to create virtual machines for testing and development purposes. Set up virtual networks, storage, and other resources to mimic production environments. Installed operating systems and software on virtual machines according to project requirements.
 - **Maintaining and Resetting Staff Accounts:** Managed user accounts on the organization's systems, including creating new accounts, modifying permissions, and resetting passwords. Ensured the security and integrity of user accounts by implementing password policies and access controls. Provided support to staff members experiencing login or access issues, including account resets and troubleshooting account-related problems.

PROJECTS

- **EACC Wealth Detector:** A model to flag public officials who are responsible for misappropriating Funds.
- **Referral System:** Website to enable users to earn through referrals.
- **Recommendation System:** Music and Movie recommender systems using collaborative filtering on public datasets.

PROGRAMMING SKILLS

- **Languages:** Python, Javascript, SQL, Java
- Databases:** MySQL, Oracle, MongoDB

Technologies: React, Angular, Flask, BootStrap, Kafka
AI: Deep Learning, CNNs, Reinforcement Learning

REFEREES

To Provide when Requested