

NEWTON MUKUNDI NYAGA

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Objective

To obtain a challenging and rewarding position in the field of computer science, where I can utilize my skills and knowledge to contribute to the growth and success of the organization.

Personal Details

Date of Birth : 30/08/2000
Marital Status : Single
Nationality : Kenyan
Religion : Christian
Gender : Male
Place : Nairobi-Kenya

Education

2020-2024 **Kisii University**
Bsc. Computer Science
Graduated from Kisii University with a Second class honour's

2016-2019 **Makima Secondary School**
Kenya Certificate of Secondary Education
Mean Grade C+

2006-2015 **Mburutani Primary School**
Kenya Certificate of Primary Education
Attained 347 marks

Skills

.Am a qualified full stack developer who can work with 1. Python 2. Java 3. PhP .

Familiar with Machine Learning and Ai based solutions to solve real world problems. I have managed to design and implement a Content based Diet Recommendation System using Machine Learning. Check out my work on GitHub repository and the Hosted version on Streamlit. GitHub: Streamlit:

Database management using SQL and also Distributed databases. Can efficiently operate multiple operating systems including Window and Linux operating systems.

Strong analytical and problem-solving skills

Excellent written and verbal communication skills

Other microsoft office applications. Example Microsoft Word, Excel , Powerpoint and also publisher.

Have done other IT related works which you can check on Academia.ac website

Experience

15 March 2023 - 15 May 2023 **Kirinyaga County Government**
Ict Support
I worked as an IT support official in the organisation as an intern before going back to kisii university to complete the rest part of my degree course.

01 April 2024 - 12th dec 2024	Joered enterprises ICT manager Oversaw the overall IT operations of the company, ensuring alignment with organizational goals and objectives. Managed and coordinated the IT team to deliver efficient and reliable technical support to all departments.
20th june 2023 - 31st dec 2023	Joered enterprises Network administrator <ul style="list-style-type: none"> - Designed, installed, and maintained the organization's network infrastructure, ensuring high availability and reliability. - Monitored network performance and conducted regular assessments to identify and resolve bottlenecks, ensuring optimal system functionality. - Configured and managed routers, switches, firewalls, and other network devices to maintain secure and efficient operations. - Provided technical support for network-related issues, troubleshooting and resolving connectivity problems promptly. - Conducted regular network audits and generated detailed reports on performance, usage, and security for management review. - Ensured compliance with industry standards and best practices for network management and cyber security
01 August 2022 - 31 dec 2022	Action Aid Kenya ICT assistant <ul style="list-style-type: none"> - Assist in the implementation, maintenance, and troubleshooting of IT systems, ensuring smooth operations across all departments. - Provide technical support to staff, resolving hardware, software, and network-related issues promptly. - Manage user accounts, emails, and access rights within the organization's IT infrastructure. - Oversee system backups, data security protocols, and antivirus updates to protect against data loss and cyber threats. - Conduct training sessions for staff on IT systems, tools, and best practices to improve digital literacy and efficiency. - Support the procurement, installation, and maintenance of ICT equipment, ensuring all assets are functional and up-to-date. - Collaborate with the IT team and management to develop and implement ICT strategies aligned with organizational goals. - Monitor and evaluate ICT systems to recommend upgrades or new technologies for enhanced efficiency. <p>This role has enhanced my technical expertise, problem-solving skills, and ability to support organizational growth through effective ICT solutions.</p>

Projects

Content based Diet Recommendation System

Developed a content-based diet recommendation system leveraging machine learning algorithms and natural language processing techniques. Engineered to analyze user preferences, dietary restrictions, and nutritional requirements to provide personalized meal suggestions. Successfully implemented and optimized the system for efficient performance, contributing to improved user satisfaction and engagement.

Image Processing

Designed and implemented an image processing system for plant disease prediction using leaf images. Leveraged deep learning techniques to analyze and classify leaf images, accurately identifying diseases and providing timely recommendations for treatment. Contributed to advancing agricultural technology by developing a robust solution to assist farmers in early disease detection and crop management.

e-ticket System

Developed an e-ticket system from scratch, streamlining the ticketing process and enhancing user experience. Implemented features for ticket creation, management, and tracking, ensuring efficient communication between users and support staff. Employed agile methodologies to continuously iterate and improve system functionality, resulting in increased ticket resolution rates and customer

Reference

TERY TRIZA - Kisii University

CoD computing department 2023
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Catherine Wangari - KISII UNIVERSITY Lecturer, Kisii University - Kisii University

Lecturer and my final year project supervisor
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Henry Gitau - Kirinyaga County Government Office

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