

FRANKLINE OTIENO

GRADUATE

SKILLS

- Network Design and Implementation** - Adept at designing and deploying LANs and wireless networks, and configuring routers and switches.
- Network Troubleshooting** - Expertise in utilizing tools like Wireshark and Cisco Packet Tracer for network analysis.
- Network Security** - Skilled at implementing VPNs, firewalls, IPS/IDS systems to secure networks and understanding network protocols and their vulnerabilities
- Machine Learning and AI** - Capable of training and evaluating machine learning models using scikit-learn, and applying supervised and unsupervised learning techniques to solve practical problems.
- Data Analysis** : Capable of using tools like MATLAB, Python, or R for mathematical computation and data representation.
- IT Support** : Knowledgeable in providing assistance to individuals or organizations to resolve technical issues related to hardware, software, and network systems.
- Microsoft Office Suite** - Proficient in using productivity tools developed by Microsoft, such as Word, Excel, PowerPoint, Publisher, for professional and personal tasks.
- Graphic Design** : Capable of creating visual content to communicate messages or ideas effectively using tools like Adobe Illustrator and Canva.
- Communication** - Strong interpersonal skills to explain technical concepts to non-technical stakeholders effectively and collaborate with team members.
- Attention to detail** : Meticulous in data entry and reporting, ensuring accuracy in network configurations and mathematical computations.

HOBBIES AND INTERESTS

- Basketball (**KBF Div. 2 Champions**)
- Reading
- Art & Design

SUMMARY

Highly motivated and detail-oriented graduate with over a year of experience in computer networking, with hands-on experience in designing and maintaining local area networks (LANs), including installation, configuration, and troubleshooting. Skilled in leveraging applied mathematics to solve complex problems such as optimization in resource allocation and algorithm development for data processing. Proficient in machine learning and data analysis, with practical experience in training AI models for predictive modeling and anomaly detection.

EDUCATION

- Bachelor of Science in Mathematics and Computer Science, **JKUAT**, 2024 - First Class Honours
- Certified in Cybersecurity, **ISC2**, 2024

WORK EXPERIENCE

Infrastructure Support and Services (ISS) attachee at JKUAT ICT : Jan. 2023 - Apr. 2023

Key contributions:

- Local Area Network (LAN) installation; trunking, laying of cables, switch configuration, access point setup, cabinet assembling, and testing the network.
- Installation and configuration of DNS, Active Directory, and DHCP servers in Windows server and Ubuntu server on EXSI virtualization software.
- User support; installation, configuration, and maintenance of PCs, printers, application software, and operating systems.
- Installation and management of wireless access points and VOIP services.

Network and Camera Specialist, Freelance : Sept. 2022 - Dec. 2022

Key responsibilities:

- Installed, configured, and maintained routers, switches, and other networking devices.
- Designed and deployed LANs and wireless networks.
- Installed, aligned, and configured surveillance cameras like IP cameras.
- Integrated camera systems with network infrastructure for remote access and monitoring.
- Set up and managed advanced analytics features, such as biometrics and motion tracking.
- Provided technical support for both network and camera systems to address user queries and issues.

REFERENCES

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