

CV

PERSONAL DETAILS

- Full name: ISSA MUHAMMAD ABDULRAHMAN
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- Zanzibar, Tanzania.
- Nationality: Tanzanian.



PROFESSIONAL SUMMARY

Motivated or dedicated **Computer Networking and Information Security Engineering (Bsc CNISE)** graduate with a strong foundation in network design, cybersecurity, and cloud security and System Administration. I am skilled in identifying vulnerabilities and applying industry-standard security practices. I am passionate about helping organizations protect digital assets and eager to apply technical knowledge in a professional environment.

KEY SKILLS

- Network Administration (Cisco, TCP/IP, DNS, DHCP)
- Systems Administration and Management (Window Server and Kali Linux)
- Cybersecurity Fundamentals & Threat Analysis.
- Ethical Hacking & Penetration Testing (Kali Linux)
- Security Information and Event Management (SIEM)
- Scripting & Automation (Python, Bash)
- Incident Response (academic simulations/projects)
- Risk Assessment & Compliance (ISO 27001 basics)
- Cyber Criminology Acts and Best Practices.
- Strong Knowledge in Microsoft Office products

EDUCATION

BSc in Computer Networking and Information Security Engineering (BSc CNISE) – University of UDOM (2021 - 2025)

- Relevant coursework: Network Security, Cryptography, Ethical Hacking, Cloud Security, Cyber Law (Criminology), System Administration (Window Server and Linux), Artificial Intelligence, Business Continuity and Disaster Recovery, Secure E-Commerce (Trust in E-commerce) and Entrepreneurship.

Diploma in Information Communication Technology with Business (ICT with Business) KARUME Institute of Science and Technology (KIST) (2018 - 2021).

O-Level Education - Shaaban Robert Secondary School & AL-Farouk Islamic Secondary School (2013 - 2017)

Primary Education - Al-Riyamy, High-View and Sunni Madrassa Secondary School, respectively (2006 - 2012)

ADDITIONAL INFORMATION

Languages

- Kiswahili (Native)
- English (Fluent)
- Arabic (Beginner)

Club Experience

Cybersecurity Club – *University of UDOM (2021 – 2025)*

- Organized workshops on ethical hacking activities.
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ACADEMIC PROJECTS

Final Year Project – AI-Powered Context-Aware Mobile Application for Securing Public Wi-Fi Connections. (2024-2025), University of UDOM.

- We implemented an application that checks the security of the Wi-Fi network before allowing the user to join into that Network. The application checks the security protocol of the Wi-Fi Network.
 - We integrated proton VPN to the application to secure the user in case of any detected security issue.
 - We implemented AI model for real time monitoring of the Wi-Fi network, which is designed to detect man-in-the-middle attack, rogue access point and ARP poisoning.
 - We integrated the AI model into the system.
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Work Experience

Internship

- Organization: ZRCP (*From Sept, 2025 - to date*)
- Position: Cyber Security Expert.
- Responsibilities: Currently at ZRCP I serve as a Cyber Security Expert within the cybersecurity lab. My work involves conducting penetration tests on ZRCP systems and products to identify vulnerabilities, assess potential risks, and recommend effective mitigation measures. I also collaborate with team members on cybersecurity research activities. This role has enhanced my technical skills in vulnerability assessment, threat analysis, and collaborative research within a security-focused environment.

Field Practices

- Organization: Tanzania Revenue Authority (TRA) (*From July – Sept, 2024*)
- Position: ICT Assistance officer:
- Responsibilities: During my Industrial Practical Training at the Tanzania Revenue Authority (TRA) here in Zanzibar, I gained hands-on experience in key ICT operations. My responsibilities included preventive maintenance of IT systems and peripherals, network troubleshooting and connectivity support, VoIP phone system configuration, software installation for end users, LAN configuration and port mapping, and maintaining accurate asset inventory records. I also strengthened my skills in diagnosing technical issues, implementing solutions, and providing user support across multiple departments. These experiences enhanced my technical proficiency, problem-solving abilities, and teamwork in a busy ICT environment.

- Organization: Zanzibar Airport Authority (ZAA) (*From July - Sept, 2023*)
 - Position: ICT Assistance Maintenance Officer
 - Responsibilities: During my service at the Zanzibar Airport Authority (ZAA) as an ICT Assistance Maintenance Officer, I gained practical experience in airport ICT operations. My responsibilities included monitoring the Flight Information Display System (FIDS) to ensure accurate and uninterrupted information flow, performing preventive maintenance on various ICT and security devices—including baggage scanning equipment—and supporting day-to-day technical operations. I assisted in troubleshooting system issues, conducting equipment checks, and coordinating with technical teams to maintain smooth ICT functionality within a highly regulated environment. This role strengthened my technical support skills, system monitoring abilities, and capacity to work efficiently in fast-paced, mission-critical settings.
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Referee

1. **Name:** Dr Tabu Kondo
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2. **Name:** Bakari Mbelwa
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