

ABSLOM ORIANGA

Passionate about full-stack development, cybersecurity, networking, and AI & machine learning, with a strong drive to build secure, scalable, and intelligent systems while continuously learning and applying emerging technologies. Check out my projects on: Github: <https://github.com/Absolomjr>

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EXPERIENCE

University ICT Services, Uganda Christian University — *Intern*

May 2025 -August 2025

- **Networking:** Managed and optimized campus-wide network infrastructure to ensure secure, reliable, and high-performance connectivity across departments.
- **Server Systems:** Maintained, configured, and monitored critical on-premises and virtual servers to guarantee system availability, performance, and seamless institutional operations.
- **Cloud Security:** Implemented and monitored secure cloud-based solutions to safeguard institutional data, enhance scalability, and support secure device integration.
- **Software Development:** Contributed to the design, development, and enhancement of in-house applications, improving user experience and streamlining academic and administrative workflows.

Uganda Christian University, Mukono — *CyberSecurity and Network Intern*

May 2024 - July 2024

- **Network Security & Administration:** Managed a simulated enterprise network by configuring network devices, deploying virtual machines, and ensuring secure, reliable connectivity within a controlled university environment.
- **Network Vulnerability Mitigation:** Identified and mitigated potential network weaknesses by applying industry-standard security practices to protect critical infrastructure from simulated threats.
- **Cyber Threat Analysis:** Conducted malware analysis using VirusTotal to evaluate suspicious hashes and assess potential cyber threats, strengthening threat detection and analytical skills.
- **Password Security Assessment:** Performed password vulnerability testing using John the Ripper to demonstrate authentication risks and promote strong password and access control practices.

SKILLS

1. Programming
Languages:(Python, Javascript, Java). Frameworks:(React, React Native, FastAPI, Django)
2. CyberSecurity and Digital Forensics.
3. Data Analytics and Visualization.
4. Networking and Automation.
5. Machine Learning
6. Communication, Leadership, Team Building.
7. Analytical skills and Project management.

Uganda Christian University, Mukono — Vice President-Cybersecurity Chapter

March 2025 - Present

Strategic Planning for the Chapter and Chapter Representation , Workshops and Training and Committee oversight.

EDUCATION

Uganda Christian University, Mukono— Bachelor of Science in Computer Science.

September 2023 - April 2026

Uganda Martyrs Secondary School-Namugongo — Uganda Advanced Certificate of Education.

2020-2022

Seeta High School-Green Campus— Uganda Certificate of Education.

2016-2019

PROJECTS

UCU OWASP CTF 2025

A cybersecurity capture the flag competition platform featuring web exploitation, cryptography, reverse engineering and forensic challenges. Built to enhance students' security skills and promote secure coding purposes.

Vanguard

A machine learning-based Network Intrusion Detection System designed to monitor network traffic, detect suspicious activities, and identify potential cyber threats in real time, enhancing network security through intelligent threat analysis.

UIS Resource Desk

An inventory management system developed for **Uganda Christian University ICT Services**, designed to track, manage, and issue ICT resources efficiently, improving asset accountability, utilization, and operational workflow within the university.

CodeBuddy

A peer-to-peer student mentorship platform that connects mentees and mentors based on academic degrees and shared interests, fostering collaborative learning, guidance, and skill development within the student community.

Feel free to check out my

LinkedIn:<https://www.linkedin.com/in/absolom-orianga-535b80291/>

REFEREES:

1. Dr. Innocent Ndibatya,
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2. Catherine Bwire
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1. Musasizi Kenneth Kabinga,
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