

Education Qualifications

Education

2018-Ongoing

B.SC in Computer Science

Jomo Kenyatta University of Science and Technology.

2017

Kenya Certificate of Secondary Education (KCSE) – A- grade
Sacho High school.

Technical Skills

- Programming with knowledge in Java, PHP and Python languages for 3+ years
- Software Development – Website and Mobile Application using Python and Javascript frameworks
- Data structures and algorithms
- GIT and Github for version control in a team environment.
- Databases(DB's) – Relational and Non-relational
- Cloud architecture
- Machine Learning.
- Simulation Modelling
- System Administration
- Networking
- Active Directory
- Vulnerability Assessment and Penetration Testing
- Cryptography
- Forensics and Incidence Response
- Reverse Engineering and Binary Exploitation

Profile Summary

I am a dedicated fourth year student of computer science with a passion towards cybersecurity. I am a good team player with strong communication, critical thinking and problem-solving skills exhibited in my participation in several Capture- The- Flag (CTF) events. I have a proven record of conceptualizing and managing a five-member cross-functional (Web Exploitation, Binary Exploitation, Networking, Forensics, Reverse Engineering, Programming) students' team at Jomo Kenyatta University of Agriculture and Technology (JKUAT). I have also successfully coordinated with up-to four other teams towards the successful participation and creation of CTF events. I have proven leadership ability being a leader of the Google Developer Students Club at JKUAT and a Microsoft Student Learn Ambassador. Alongside my Bachelor's Degree studies, I have also undertaken various short courses in the field showcasing my desire to learn new languages and technologies

Career Objectives

To secure a responsible career opportunity to fully utilize my training and skills, while making a significant contribution to the success of the company and to the advancement of my professional standards and gradual growth in my field of expertise.

Work experience

Jan – April 2023

Served as a CSA fellow at iLab Africa where I completed an IOT app penetration test, taught a class of over 15 students in Active Directory as well as Scripting for Security, developed 2 separate labs in Forensics and Incidence Response and set up Wazuh as a SIEM solution as well as integrating over 15 computers to the server.

Jan-April 2021

Interned in Wi-fi Expansion Project at Jomo Kenyatta University of Agriculture and Technology where I helped set up over 200 Local Area Connections in Jomo Kenyatta University of Agriculture and Technology in a span of 3 months.

Workshops/Conferences

23rd March 2023

Delivered a presentation at the 17th JKUAT Annual Scientific, Technological, and Industrialization Conference, featuring a project entitled "A Web Application for Optimizing Potato Value Chain in Kenya using Graph-Based Algorithms." The primary objective of this project was to employ a graphical representation to elucidate the Potato Value Chain. My individual contribution encompassed backend development of the application, and I collaborated with colleagues during the presentation.

4th March 2023

Participated in the Africahackon Masterclass, focusing on various aspects of Docker Security, such as Docker Architecture, securing the Docker host, Docker daemon, and containers. Additionally, the implementation of effective communication and authentication was explored. Relevant tools, including Trivy, Docker Bench Security, and InSpec, were also introduced during the course.

January 2023 – March 2023

Engaged in the Young CISO Program, an initiative designed to cultivate both soft and technical skills in aspiring Chief Information Security Officers (CISOs) across Africa.

CyberSecurity Competitions Attended

- 1st Position in Kenya and 4th Position in Africa in PicoCTF 2023 – lead member of team Seekers. Held online between March 14th – March 28th.
- 2nd Place in Greenfist CTF CTF coverig multiple teams within Africa and hosted by the Young CISO program. Held online on 25th February.
- Won the I & M CTF 2022- Member of the Jkuat team held at I & M Bank Parklands on November 12th 2022
- National CyberRise Hackathon 2022- lead member of team Urchinsec II. Ranked 5th out of 23 teams. Held at Safari Park Hotel Nairobi, Kenya on 12th and 13th October 2022.
- Bsides Nairobi CTF 2022 – Member of team Urchinsec II. Ranked 2nd out of 57 teams. Held at Microsoft Africa Development Center; Microsoft Garage on 25th June 2022.

Professional Certifications

- 2022- Certified as eLearnSecurity Junior Penetration Tester by eLearn Security
- 2020- Certified in Introduction to Cybersecurity course and Cybersecurity Essentials course by Cisco
- 2018- Certified in MIT program by eMobilis Mobile Technology Institute.

Interests & Hobbies

- Active CTF Player.
- Bug Bounty Hunter
- Blogging about cybersecurity activities such as write-ups of Capture-The-Flag challenges, TryHackMe Rooms and HackTheBox boxes.
- Solving programming challenges on LeetCode and similar sites.

Languages spoken

- English
- French
- Kiswahili

Group and Club Memebership

- Google Developer Students Club at JKUAT
- Microsoft Student Learn Ambassador
- [NestingDoll CTF team](#)
- Seekers CTF team
- [Urchinsec CTF team](#)