

Daniel Wambua

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Cybersecurity-focused Information Technology student with hands-on experience in penetration testing labs, CTF competitions, and security tooling. Strong interest in offensive security, vulnerability assessment, and security operations. Actively seeking an industrial attachment or remote internship to gain real-world exposure in cybersecurity operations, SOC workflows, or application security.

Experience

51|3nt_br34ch CTF Team

CTF TEAM MEMBER | OFFENSIVE SECURITY PRACTICE

July 2025 – Present

- Solved web, network, and basic binary exploitation challenges in team-based CTFs
- Practiced vulnerability discovery using Burp Suite, Nmap, and manual testing techniques
- Collaborated on writeups and shared methodologies for common vulnerability classes
- Contributed minor improvements and documentation to open-source security repositories

Karatina University

IT STUDENT | INNOVATION CLUB MEMBER

August 2023 – Present

- Supported organization of beginner-friendly CTF competitions and technical demos
- Assisted peers with Linux usage, networking concepts, and basic security tooling
- Participated in cybersecurity awareness sessions and hands-on labs

Freelance / Academic Projects

JUNIOR DEVELOPER (SECURITY-AWARE)

November 2023 – May 2024

- Assisted with secure coding practices and basic application security testing
- Performed simple vulnerability checks and dependency reviews
- Gained exposure to fintech-related security considerations through coursework projects

Education

Karatina University

BACHELOR OF SCIENCE (BSC) IN INFORMATION TECHNOLOGY — GRADE: ONGOING 2023 – 2027

I-Tech Computer College

CERTIFICATE IN COMPUTER FUNDAMENTALS & SECURITY OPERATIONS — GRADE: August 2022 – January 2023
DISTINCTION

Skills

Cybersecurity & Offensive Security	Web Application Security Testing, Basic Network Penetration Testing, Vulnerability Assessment, OWASP Top 10
Security Tools	Burp Suite, Nmap, Metasploit (basic usage), Wireshark, Linux CLI
Programming & Scripting	Python, Bash, JavaScript, Go (fundamentals)
Systems & Platforms	Linux (Parrot OS, Ubuntu), Git & GitHub, Docker (fundamentals), Cloud basics (vercel,netlify)
Documentation & Research	CTF Writeups, Technical Documentation, Security Research Basics

Stats

- **Top 10 Finalist** – CyberGame Kenya 2025 

Awards

- **CyberGame Kenya – Top 10 Finalist (2025)** - Recognized for strong performance in national-level cybersecurity competition focused on practical skills

Projects

- **CTF Writeups & Security Blog** (21 ★)  Live
Personal blog documenting CTF solutions, tooling notes, and security concepts  Daniel-wambua/blog
- **Cyberhub** (3 ★)  Live
A curated living, automated knowledge base for cybersecurity professional  Daniel-wambua/cyberhub
- **MacOS_Portfolio** (10 ★)  Live
Personal portfolio project demonstrating frontend skills and deployment workflows  Daniel-wambua/MacOS_Portfolio