

Jesse Nasamu

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ABOUT ME

I am a detail-oriented Cybersecurity Specialist with expertise in security analysis, penetration testing, and secure system design, blending security with user-centered design. My experience at NCAIR shaped my work in AI-driven cybersecurity and digital forensics. My academic research focuses on securing critical systems like healthcare through Machine Learning for IoT malware detection. Passionate about mentorship, I aim to contribute to research and inspire future generations as a professor in cybersecurity.

EDUCATION AND TRAINING

14/04/2023 – 11/09/2023 Abuja, Nigeria
INTERN National Centre for Artificial Intelligence and Robotics (NCAIR)

Interning at NCAIR was a valuable experience that expanded my understanding of UI/UX design. It allowed me to work alongside talented professionals, where I gained hands-on experience in user research, prototyping, and interaction design. The internship helped me develop a deeper appreciation for creating intuitive and visually appealing interfaces, solidifying my skills in both design and usability.

Website <https://ncair.nitda.gov.ng/> | **Level in EQF** EQF level 6

15/03/2020 – 22/08/2024 Abuja, Nigeria
BACHELOR OF CYBERSECURITY Bingham University

Studying at Bingham University was a transformative experience, where I deepened my knowledge in cybersecurity and honed my technical skills. The university provided a collaborative environment that encouraged critical thinking and innovation. My time there not only shaped my academic growth but also fueled my passion for tech and security.

Website <https://binghamuni.edu.ng/v2/> | **Field of study** Cybersecurity | **Final grade** 2:1 | **Level in EQF** EQF level 6 |

Thesis IoT in the Healthcare: Threats and Vulnerabilities

PROJECTS

13/09/2023 – 15/05/2024
IoT in the Healthcare: Threats and Vulnerabilities

My project analyzed IoT security risks in ICU networks, identifying attack vectors and their impact on patient safety. I proposed encryption and secure design to mitigate threats, reinforcing the need for robust cybersecurity in healthcare.

03/04/2024 – 07/05/2024
E-store Penetration Testing

The "E-Store Penetration Testing" project involved simulating cyberattacks to identify vulnerabilities like SQL injection and XSS using Burp Suite. I mapped entry points, conducted security tests, and recommended input validation and stronger authentication to enhance protection. This experience sharpened my web application security skills.

SKILLS

human-computer interaction | interact with users to gather requirements | think creatively | Coding and scripting in python | collect cyber defence data | cyber attack counter-measures | conduct threat intelligence | ICT security standards | Ability to work in a team and autonomously