

Sasanka Nimes



Aspiring Cybersecurity Professional

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Summary

Computer Security undergraduate who has completed the TryHackMe Penetration Tester Learning Path. Skilled in penetration testing, vulnerability analysis, network security, threat intelligence, and risk management.

Passionate about cybersecurity and eager to contribute to a professional team while continuously enhancing practical skills through hands-on challenges.

Experience

- **Penetration Testing Project:** Conducted penetration testing on NSBM's vulnerable systems, identifying and mitigating critical vulnerabilities. Delivered a detailed report with remediation recommendations.
- **Mobile Application Development Projects:** Developed an IoT-based indoor navigation app using Flutter.
Created a healthcare app with React Native (code available on GitHub).
- **Java Web Application Development Project:** Built a secure Java web application, focusing on secure authentication, database integration, and scalability (project on GitHub).
- **VMWare virtual home lab:** Windows server running Active Directory, DNS, and workstation. Used to practice pen testing techniques in a safe controlled environment.
- **Current Project:** Currently developing a penetration testing framework with a web application interface for the AI security project, incorporating penetration testing categories like mobile, network, and web applications.

Skills & tools

Technical Skills:

- Programming: Java, Python.
- Tools: Wireshark, Splunk, Elastic, Nmap, Burp Suite, Metasploit, Hydra.
- Database: MySQL.
- Environments: Linux, Windows.
- Penetration Testing Techniques: Network security, web application security.

Soft Skills:

- Analytical thinking.
- Problem-solving.

Certifications & Training

- **Completed TryHackMe Penetration Tester Learning Path (2024):** Intro to Computer Security, Complete Beginner, Web Fundamentals, Jr Penetration Tester, Offensive Security, Red Teaming.
- **Cybersecurity Courses from LinkedIn Learning.**

Education

BSc (Hons) in Computer Security – University of Plymouth, UK

Sep 2022 - May 2025

Relevant Modules:

- **Cybersecurity:** Security Operations & Incident Management, Ethical Hacking, Digital Forensics & Malware Analysis, Security Architectures & Cryptography.
- **Programming:** OOP with Java, OOP Programming with C#, Programming in C, Algorithms and Data Structures.
- **Networking & Systems:** Computer Networks, System Analysis & Design, Database Management Systems, Computer Architecture.
- **Data Management & Analysis:** Information Management & Retrieval, Computing Group Project, Web Application Development.
- **Mathematics & Foundations:** Mathematics for Computing, Introduction to Computer Science.
- **Other:** Professional Development, Sustainability Development, Introduction to IoT.

FOUNDATION PROGRAMME FOR BACHELOR'S DEGREE – NSBM Green University, SL

Oct 2021 – Aug 2022

Relevant Modules:

- Programming in Python, Computer Applications and Programming Fundamentals.
- Web Design and Development.
- Computer Technology.
- ICT Project Management.
- English and Soft Skills Development, Mathematics and Quantitative Techniques.