

Avnish singh

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SUMMARY

I am a passionate cybersecurity student with a strong knowledge of the cybersecurity field and a high level of motivation. I aim to contribute to enhancing cybersecurity practices and improving online safety.

PROJECTS

Cyber Security Home lab

blog.avnishsingh.tech/archive/category/Cybersecurity%20Home%20Lab/ • October 2024 - Present

- Designed and managed a virtual cybersecurity lab incorporating key components like Firewall, IDS (Intrusion Detection System), SIEM (Splunk), and Active Directory to enhance practical security skills.
- Simulated real-world cyber incidents to practice responses to network intrusions, malware infections, and data breaches, refining incident management and threat mitigation techniques.
- Improved expertise in tools such as Nmap, Wireshark, and Splunk, and deepened understanding of network security concepts
- Skills :- Network Security | Cybersecurity | Firewalls | Nmap | Wireshark | Splunk | Virtualization | Networking

Network Mapping and Traffic Analysis using Nmap and Wireshark

October 2024 - November 2024

- Utilized Nmap to map network topology, identify devices, open ports, and detect vulnerabilities.
- Analyzed live network traffic with Wireshark to identify anomalies and potential threats.
- Simulated real-world scenarios to practice detecting and mitigating network security incidents
- Skills :- Nmap | Wireshark | Network Security | Traffic Analysis | Vulnerability Assessment

EDUCATION

Bachelor of Computer Science

J.S. College of Education

Affiliated with Dr. Bhimrao Ambedkar University, Agra • 2025

CERTIFICATIONS

Google Cybersecurity - Professional Certificate

Courcera

python for cybersecurity infosec

Courcera

Network security

EC-Council

SKILLS

Programming: Python, Bash * Cybersecurity Tools: Nmap, Wireshark, Splunk

Operating Systems: Linux, Windows * Virtualization: VirtualBox, Docker

Git & GitHub