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TECHNICAL EXPERIENCE

SOC LAB WITH WAZUH, SHUFFLE, AND THEHIVE

[WRITE UP](#)

- Deployed **Wazuh** in the cloud, integrating with a Windows 10 client to monitor over **100 security events** daily.
- Developed custom Mimikatz detection rules, reducing incident response time by **50%** for credential theft threats.
- Integrated Wazuh with Shuffle to automate threat intelligence by sending Mimikatz alerts to VirusTotal for hash analysis.
- Forwarded VirusTotal results to TheHive, enabling SOC teams to triage alerts in real-time for faster incident response.

ELASTIC STACK SIEM CONFIGURATION IN HOME ENVIRONMENT

[WRITE UP](#)

- Configured elastic agents in kali and ubuntu, for **log collection** and **security event monitoring**
- Fabricated over **60 nmap alerts** to test the working of SIEM

AIG CYBERSECURITY VIRTUAL JOB SIMULATION - FORAGE

[CERT LINK](#)

- Utilized **Python** to write a script for **bruteforcing** decryption keys
- Researched and understood reported vulnerabilities, showcasing analytical skills in cybersecurity.

TELSTRA CYBERSECURITY VIRTUAL JOB SIMULATION - FORAGE

[CERT LINK](#)

- Engineered and implemented a **firewall** using a custom **Python** script to block malicious traffic

MALWARE DEV

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- Designed malware with memory usage of less than **100Kb** that can inject itself to any running process' memory address and **execute in under 10ms**
- Generated shellcode of length of just **232 bytes** using **metasploit** and **msfvenom**.

PROBEX - PORT SCANNER

[GITHUB REPO](#)

- Built a lightweight CLI tool in python to scan a port on any host on the network in **less than 0.05s** sometimes up to **10 times faster than nmap**

HOME LAB AND VPN SETUP WITH RASPBERRY PI 5

- Deployed a VPN server with **Linux Ubuntu Server 24.04.1 LTS** on a raspberry pi 5
- **Created router rules** to allocate static IP to rpi5 and port forwarding
- Launched Damn Vulnerable Web App (DVWA) and juice shop for **web penetration practice**

EDUCATION

UNIVERSITY OF MARYLAND, COLLEGE PARK, MD
M.ENG IN CYBERSECURITY ENGINEERING

COLLEGE PARK, MD
EXPECTED 05/26

PES UNIVERSITY

B.Tech in Computer Science Engineering - Specialization in Networks and Cybersecurity

BANGALORE, INDIA
2020-2024

COURSEWORK: NETWORK SECURITY, INFORMATION SECURITY, CRYPTOGRAPHY, CLOUD SECURITY, AUTOMOTIVE CYBERSECURITY

SKILLS, CERTIFICATIONS AND TECHNOLOGIES

Certifications: Qualys VMDR (2024), **Cybersecurity Foundations: Governance, Risk, Compliance** (GRC) (2024), **Cloud Computing 101** (2023), **LFD103** (Linux Kernel Development) (2022), **CompTIA Security+** (expected nov 2024), **OSCP** (expected jan 2025)

Skills and Technologies: Python, nmap, C++, metasploit, Raspberry Pi, Linux, Git, Kali