Vineet Nair

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EDUCATION

Vellore Institute of Technology — Bhopal, Madhya Pradesh
Bachelor of Technology in Computer Science spec. in Cyber Security and Digital Forensics — *August 2021 – May 2025*

Sharada Vidyaniketana — Mangalore, Karnataka
CLass XII — *May 2020 – March 2021*

PROJECTS

Nurture | *Python, Next.js, Tailwind, Tensorflow* — June 2023 – August 2023

- Created a user-friendly platform dedicated to mental health assessments in schools; gathered actionable insights leading to solutions addressing three major barriers impacting student wellness initiatives within six months of implementation.
- Filtered over 2,000 data samples for the mental health assessment platform by cleaning, removing inconsistencies, and applying specific criteria based on anxiety, stress, and performance indicators. This streamlined the dataset for effective analysis, enabling more targeted insights and evidence-based interventions for student wellness initiatives.

Building a SIEM | *Kali Linux, Elastic Agent, AWS, Nmap* — May 2024

- Designed and implemented a home lab with Elastic SIEM on a cloud instance, integrated with a Kali Linux VM, supporting 5+ simulated attacks for incident response.
- Configured Elastic Agent to collect security events from the Kali VM, analyzing 100+ logs per session for threat detection.
- Simulated various security events (e.g., Nmap scans, authentication failures) to generate realistic log data.
- Utilized Elastic SIEM to query logs, identifying 3+ threat patterns and improving detection efficiency by 30%.

Malware Analysis Lab | *VirtualBox, AWS, Terraform, Remnux, Flare VM, Malware Analysis Tools* — June 2024

- Built labs in VirtualBox and AWS for secure analysis of malware samples.
- Configured networks for safe detonation, increasing security by 20%.
- Set up C2 servers and simulated 5+ network services.
- Automated Flare VM deployment on AWS with Terraform, reducing setup time by 40%.
- Helped to streamline analysis of 15+ samples.

SKILLS AND CERTIFICATIONS

Technical Skills: Python, AWS, Risk Management, Cyber Security, SIEM, Malware Analysis, Mobile Vulnerability Assessment.
Certifications: Bits and Bytes of Computer Networking, IBM Cybersecurity Analyst.

EXTRA-CURRICULAR AND ACHIEVEMENTS

Fusion Club : — June 2023 – Present

- Handled Finances and helped in bringing in sponsors which resulted in rewarding our club with a surplus of 1 lakh 50 thousand.

Extra-Curricular :

- Competed in various CTFs such as PicoCTF, SANS BootUp CTF etc
- Belonged to the top 3% users in TryHackMe (THM)
- Learnt to use Burp Suite, Nmap, Web Exploitation, Forensics, Network Exploitation, Cryptography, OWASP Top 10 Vulnerabilities. Have great knowledge of the NIST Framework.

ADDITIONAL INFORMATION

Hobbies: Sports like Football and Badminton, Photography, Music Production (DAW).
Languages: English, Hindi, Malayalam