

Neil Machado

Los Angeles, CA | (424) 454-9318 | neilmachado07@gmail.com | [LinkedIn](#) | [GitHub](#)

WORK EXPERIENCE

Cybersecurity Project Intern | Curacao | Los Angeles, CA

October 2023 - December 2023

- Led the migration of outdated DOS systems to secure Windows 10 installations, significantly improving system performance and security posture.
- Implemented and enforced stringent physical security protocols by disabling open USB and Ethernet ports, ensuring compliance with industry standards (ISO/IEC 27001).
- Optimized system configurations with Seven+ devices in adherence to PCI compliance standards.
- Successfully integrated 300 new systems seamlessly into the existing network infrastructure, maintaining operational continuity and data integrity.
- Spearheaded the deployment of a SOPHOS firewall system and conducted a thorough audit of firewall controls.
- Conducted a comprehensive wireless security assessment and identified vulnerabilities in encryption protocols, password policies, and physical security.
- Provided strategic recommendations and directed improvements, resulting in a substantial strengthening of security posture.
- Executed a wireless security penetration test.

Security Project Intern | 7LeadGen, Inc. | Remote

January 2022 - July 2022

- Enhanced incident response efficiency by monitoring and responding to SIEM alerts.
- Performed Five+ third-party cross-functional applications scans using tools like Nessus to identify vulnerabilities in servers and network devices.
- Applied the NIST framework to assess and align security controls in adherence to industry best practices.
- Created deliverables, such as gap analysis, technical report, and executive out brief, and presented to stakeholders in workshops.
- Authored user-friendly guides on secure password practices, fostering a heightened security culture among 20+ employees.

EDUCATION

Masters of Science in Cybersecurity, California State University Dominguez Hills

August 2023 - July 2024 (Expected)

Current GPA 3.9, coursework includes: Practical Cybersecurity, Advanced Hacking Prevention, Information Security Policies and Procedures, Cyber Forensics, Information Assurance and Network Security, Secure Cloud Computing, Advanced Operating System Security.

Bachelor of Engineering in Electronics and Computer Science | University of Mumbai, India

August 2019 - May 2023

With a 3.5 GPA, the coursework included subjects like: Electronic Devices and Circuits, Hardware Security, Cryptography & System Security, Computer Networks, Operating System, Data Structures & Algorithms, Software Engineering, Artificial Intelligence, Mobile Computing, and Advanced Java.

CERTIFICATIONS & BADGES

- CompTIA Security + (Sec+)
 - Google Professional Cybersecurity Certificate
 - Amazon Cloud Practitioner
 - Cisco Cyber Threat Management
 - LinkedIn - Certified Ethical Hacker
 - LinkedIn - Learning the OWASP Top 10
 - University of Maryland, Cybersecurity
 - Exposure Management Expert - EM Cyber
-

SKILLS

- **Tools & Technologies:** Tenable Nessus, Wireshark, Metasploit, Nmap, Github, Netsparker, MS Office Suite, Eclipse IDE, Apache Server, phpMyAdmin, Burp Suite, ELK SEIM.
 - **Frameworks:** NIST, ISO, GDPR, CIS, PCI-DSS, MITRE ATT&CK.
 - **Operating Systems:** Kali Linux, Windows, MacOS, Ubuntu, Android, iOS.
 - **Abilities/Knowledge:** Risk Management, Asset Management, Reconnaissance, Vulnerability Analysis, Penetration Testing, Network Forensics, Log Analysis, Process Optimization, Data Visualization, Incident Response, Web Application Security, Linux, Threat Analysis, Firewalls, Security Monitoring, Documentation, GRC, IAM, MFA, SSO, Managed Detection and Response (MDR), DevSecOps.
 - **Cloud:** AWS, Azure, Oracle.
 - **Programming & Scripting:** Python, Bash, SQL, CLI.
-

PROJECTS

Home Lab: <http://www.github.com/neilmachado>

- **OWASP Juice Shop Proficiency:** Applied diverse attack scenarios, contributing to a nuanced understanding of web application penetration testing, showcasing adeptness in identifying and remediating vulnerabilities aligned with OWASP's Top Ten.
- **Mr. Robot Capture The Flag (CTF) Participation:** Engaged in the Mr. Robot CTF, applying ethical hacking techniques to solve complex challenges and fortify incident response capabilities, strengthened analytical and problem-solving skills through real-world simulation exercises.
- **LAMP Server Deployment on AWS:** Orchestrated the deployment of a secure LAMP server architecture on Amazon Web Services (AWS), demonstrated proficiency in cloud-based infrastructure management, ensuring optimal performance, and fortifying security postures.
- **SIEM ELK Stack Implementation:** Pioneered the setup of a robust SIEM solution utilizing the ELK (Elasticsearch, Logstash, Kibana) stack. Enabled efficient log aggregation, analysis, and visualization, amplifying incident detection and response capabilities.
- **Conducted a thorough vulnerability assessment** for a prominent website, employing industry-standard tools. Produced a comprehensive report outlining prioritized vulnerabilities and recommended mitigation strategies in a secure environment. This process involved obtaining all necessary permissions and ensuring a secure testing environment.
- **Designed and analyzed a controlled virus** to fortify against security vulnerabilities. Implemented robust security measures based on findings, enhancing overall system resilience in a secure and authorized setting.