OMAR HAGGAG

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SUMMARY

Cybersecurity Junior with a passion for digital forensics, threat hunting, and incident response. Currently building my Security Analyst skills through the use of various CTFs, certifications, projects/labs, and joining cybersecurity communities..

CERTIFICATIONS

- **CompTIA Security+**
- **CompTIA Network+**
- **Splunk Core Certified User**

EDUCATION

Pasadena City College: Associates of Science in Information Technology, June 2025

CYBERSECURITY PROJECTS & LABS

Network Design and Implementation with Packet Tracer Project

- Implemented dynamic routing protocols (OSPF, EIGRP) and Layer 3 switching to optimize network traffic flow and enhance redundancy.
- Configured and managed NAT, Access Control Lists, DHCP, and DNS servers to ensure secure and efficient network operations.
- Deployed and maintained advanced network services, including VoIP systems, Spanning Tree Protocol, HSRP, and EtherChannel, to support reliable communication and high availability.

Wireshark Packet Capture Lab

- Conducted detailed network traffic analysis using Wireshark, identifying and troubleshooting performance bottlenecks and security vulnerabilities.
- Captured and analyzed network packets to diagnose and resolve issues related to network latency, protocol anomalies, and unauthorized access attempts.
- Documented findings and provided actionable insights to improve network efficiency and security, leveraging Wireshark's advanced filtering and decoding capabilities.

Python Port Scanner Project

- Developed a Python-based port scanner utilizing multi-threading to efficiently scan and identify open ports across various network devices, significantly reducing scan time.
- Enabled detailed analysis of network security by detecting open, closed, and filtered ports, aiding in vulnerability assessment and strengthening network defense strategies.

[Python Password Generator Project](#)

- Developed a Python script to generate strong, randomized passwords based on user-defined criteria, including length, character complexity (uppercase, lowercase, digits, symbols), and exclusion of similar characters.
- Utilized Python's built-in libraries to ensure secure and unpredictable password generation, adhering to best practices for creating robust passwords that mitigate the risk of unauthorized access.

[Network Enumeration and Scanning using Nmap Lab](#)

- Conducted comprehensive network scanning and vulnerability assessment using Nmap, identifying open ports, services, and potential security weaknesses across multiple systems.
- Developed and implemented custom Nmap scripts to automate the discovery of specific network vulnerabilities, improving the efficiency and accuracy of the security audit process.
- Analyzed Nmap scan results to generate detailed reports, providing actionable insights and recommendations for strengthening network security and mitigating potential risks.

EXPERIENCE

Computer Information Systems Tutor   Feb 2024 - Present

- Guiding students in computer information systems and helping them with my experience
- Tutoring CCNA and Security+ courses
- Developing tailored tutoring strategies
- Promoting a collaborative learning environment
- Resolving complex technical issues

Front Desk   Feb 2024 - Present

- Managed front desk operations including greeting visitors, handling phone calls, and responding to inquiries, ensuring a positive first impression and efficient service.
- Coordinated appointment scheduling and maintained accurate records of guest check-ins, check-outs, and reservations, enhancing organizational efficiency.
- Processed payments and transactions accurately, handling cash, credit, and digital payments while maintaining strict adherence to financial procedures and policies.