

SUMMARY

Driven Computer Systems Engineering student with a strong foundation in cybersecurity, networking, and software development. Passionate about identifying vulnerabilities, securing systems, and solving complex technical challenges. Experienced in penetration testing, secure coding, and network defense, with hands-on experience using industry-standard tools.

Enthusiastic about continuous learning and collaborating on real-world security projects. Seeking opportunities to apply and expand my skills in cybersecurity, ethical hacking, and IT infrastructure security.

CERTIFICATIONS

- CEHPC Ethical Hacking Professional Certification
- CCNA 1: Introduction to Networks
- Penetration Tester Jr– HTB Academy (Expected: April 2025)

PROJECTS AND EXPERIENCE

- **Cybersecurity Content Creation & Awareness**

Produced short-form educational videos on TikTok/Instagram; grew an audience of 20K+ followers.

Authored blog articles on Medium about cybersecurity best practices and emerging threats.

- **Secure VPN & Firewall on Raspberry Pi**

Configured OpenVPN and WireGuard to enable secure, encrypted communications for multiple devices.

Set up a firewall (iptables) to enhance local network protection, actively monitoring traffic and simulating potential attacks.

- **Common Grounds CTF Challenge**

Participated in a Capture the Flag (CTF) challenge as part of a technical assessment for a cybersecurity role. Solved security-related challenges in a competitive environment, demonstrating skills in vulnerability analysis, exploitation, and cryptography.

- **Nmap Network Discovery Analyzer (Python Script)**

Developed a Python script to simplify and enhance the analysis of Nmap scans for device discovery. The tool automates parsing Nmap results, providing a more practical and structured output for network administrators

- **Personal Pentesting Projects**

Performed penetration testing simulations and labs using tools such as Metasploit and Burp Suite in controlled lab environments.

Discovered and documented vulnerabilities

TECHNICAL SKILLS

Networking & Infrastructure

- Networking Protocols: TCP/IP, DHCP, NAT, VLANs, ARP, Ethernet
- Network Security: Firewalls (iptables), Wireshark, VPN configurations

Programming & Scripting

- **Languages:** Python, Java, C++, Bash, PowerShell, SQL
- **Automation:** Basic scripting for network automation and security auditing

Soft Skills

- Problem-Solving | Teamwork | Communication | Adaptability | Customer Support

Languages

- English (B2, ITP) | Spanish (Native)

EDUCATION

TecNM

Puebla, Mexico

B.Sc. in Computer Systems Engineering

Expected Graduation in August 2026

- **Relevant Coursework:** Operating Systems, Software Engineering, Data Bases
- Competed in a university-level programming contest using Java, showcasing problem-solving and collaborative skills.
- Participated in HackaTec hackathon with a multidisciplinary team.