

Youssef Sadek

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PROFESSIONAL SUMMARY

Cybersecurity student with hands-on experience in penetration testing, IDS/IPS, and vulnerability scanning. I am skilled in threat detection, scripting, and network security tools.

EDUCATION

Bachelor of Science in Computer Science May 2022 - May 2026
New Jersey Institute of Technology Newark, NJ
Relevant Coursework: Cybersecurity, Operating Systems, Computer Networks, Intensive Programming in Linux

TECHNICAL SKILLS

Languages: Python, Java, C++, JavaScript
Web: HTML, CSS, PHP
Tools: Linux, Metasploit, Security Onion, Nessus, Nmap, VMware, SQL
Concepts: Network Security, Vulnerability Assessment, Ethical Hacking, REST APIs

PROJECTS

Spring 2025 Jan 2025 - May 2025
Cybersecurity Virtual Lab

- Deployed a 3-VM lab environment (Kali Linux, Security Onion, and BasicPentesting1) using VMware
- Detected and exploited 36 vulnerabilities including a ProFTPD backdoor via Metasploit
- Enhanced network security significantly by confirming intrusion alerts through SGUIL & analyzing packet-level data for threat identification
- Utilized hping3, Nessus, Nmap, & Metasploit to identify vulnerabilities, conduct network & port scanning, & perform vulnerability assessments

Job Scraper Web App Jun 2024 - Sep 2024

- Built a Python scraper for LinkedIn jobs using BeautifulSoup & Requests to extract 500 listings daily
- Championed the creation of a responsive interface featuring Bootstrap & AJAX-powered JSON API endpoints, optimizing data retrieval & processing

Vulnerability Scanner Tool Jun 2024 - Sep 2024

- Developed a multi threaded Python scanner to detect over 20 common website vulnerabilities
- Improved performance 20% via randomized headers and User-Agent rotation

WORK EXPERIENCE

Sales & Inventory Coordinator (Lead Jeweler)
Diamond Crown Nov 2023 - May 2025
Elizabeth, NJ

- Led a team in a fast-paced retail environment, fostering collaboration and accountability
- Trained staff with patience and clarity in POS handling, audit procedures, and inventory practices
- Strengthened customer trust through personalized service and reliable product consultation

Customer-Facing Tech Support (Brand Ambassador)
Apex Systems Mar 2024 - Oct 2024
Staten Island, NY

- Educated users on AI-powered smart cart technology, improving digital adoption by 25%
- Acted as frontline technical support for users, resolving issues with a 95% satisfaction rate
- Gathered and reported technical feedback to improve usability and system performance

CERTIFICATIONS

- **CompTIA CySA+** - In Progress, Expected July 2025

Advanced coursework in SIEM analysis, threat detection, and vulnerability management; aligned with DoD 8570 compliance.

- **Udemy: Complete Python Programming Certificate** - March 2024

Completed 30+ hours of Python programming covering data structures, OOP, scripting, and automation projects.