

Shayaan Rashedin

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Skills

Technical Skills: Cybersecurity reconnaissance, vulnerability assessment, exploitation, and detection (Nmap, OpenVAS, Metasploit, Hydra, Splunk/SPL); Linux (Kali, Ubuntu) and Windows systems; TCP/IP networking (DNS, DHCP, NAT, VLANs, syslog); Python, Bash, C/C++, SQL; VirtualBox lab environments; incident analysis, MITRE ATT&CK mapping, and remediation reporting.

Soft Skills: Technical instruction and mentorship, leadership and team coordination, clear communication of complex technical concepts, workshop and event delivery, documentation and reporting, analytical problem solving, time management, adaptability, ethical judgement in security practices.

Education

Bachelor of Engineering - Computer Engineering

September, 2023 - Exp. April, 2028

Toronto Metropolitan University, Toronto, ON

- Relevant Coursework: Operating Systems, Computer Organization & Architecture, Software Systems, Engineering Algorithms & Data Structures, Advanced Algorithms, Digital Systems, Communication Systems.

Certifications/Training

Google Cybersecurity Professional Certificate

June, 2025

- Hands-on training in threat analysis, vulnerability management, SIEM-based detection, Linux security, and incident response aligned with NIST and MITRE ATT&CK frameworks.

Google IT Support Professional Certificate

February, 2025

- Practical experience with Linux and Windows system administration, TCP/IP networking (DNS, DHCP, NAT), troubleshooting, and foundational IT security concepts.

Cyberstart Canada – National Cybersecurity Program

2025 - 2026

- Challenge-based cybersecurity training covering reconnaissance, exploitation fundamentals, cryptography, and defensive security concepts.

Projects

Cybersecurity Home Lab (VirtualBox - Kali Linux, Metasploitable2, Ubuntu running Splunk):

Built and documented an isolated multi-VM lab to practice reconnaissance, exploitation, and SIEM-based detection using real-world security tooling. Full write-ups and screenshots available on portfolio: shayaanrashedin.github.io.

Network Scanning & Reconnaissance:

- Performed full-scope port scanning, service and OS enumeration, and vulnerability assessment using Nmap and OpenVAS, mapping exposed services to CVEs and producing remediation recommendations.

Vulnerability Exploitation:

- Validated real-world risk by exploiting vulnerable services (vsftpd, UnrealIRCd, distcc, Telnet, MySQL) in a controlled lab, documenting proof-of-access, MITRE ATT&CK mapping, and hardening guidance.

Brute-Force Detection with Splunk:

- Built an end-to-end detection pipeline in Splunk by ingesting syslog data, simulating FTP brute-force attacks, authoring SPL correlation logic, and generating actionable alerts with remediation steps.

Experience

Director of Education - TorontoMet Cybersecurity Association, Toronto, ON

Oct 2025 – Present

- Plan and lead educational cybersecurity workshops and CTF sprint sessions for TMU students, helping participants build skills in Linux administration, networking, and core security concepts.
- Develop instructional materials, coordinate event logistics, and support students during hands-on labs by guiding troubleshooting, reinforcing key ideas, and ensuring an inclusive learning environment.

Youth Engineering Instructor - Toronto High Park Young Engineers, Toronto, ON

Sept 2024 – Present

- Teach LEGO-based engineering lessons to 20+ students, simplifying concepts like transmissions, gear ratios, and basic programming logic into engaging, age-appropriate activities.
- Create a positive classroom environment by encouraging teamwork and problem-solving, while guiding students through structured builds and interactive engineering challenges.