

# Shayaan Rashedin

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**Objective:** Seeking a 12-16 month cybersecurity or IT co-op beginning May 2026 to apply my experience in network security, systems management, red teaming, and incident detection to real world IT and cybersecurity challenges, with the goal of advancing into a career in cybersecurity or IT operations.

## Summary of Qualifications

- Third-year Computer Engineering student with strong foundations in programming, circuit analysis, and systems design, combined with hands-on cybersecurity experience.
- Developed applied cybersecurity and IT skills through a home lab: performed vulnerability scanning, SIEM detection, and incident reporting using tools like Splunk, Nmap, OpenVAS, Hydra.
- Strong problem-solving, teamwork, and technical communication skills, demonstrated in robotics competitions, engineering courses, and instructional roles.
- **Technical Skills:** Security & Threat Analysis (Splunk, OpenVAS, Metasploit, Hydra), Networking (TCP/IP, SSH, VLANs, DNS), Linux Administration (Kali, Ubuntu, Hardening, Log Analysis), Scripting (Python, Bash, Powershell, SQL, SPL), Virtualization (VirtualBox), Databases (MySQL/MariaDB), Algorithms & Data Structures

## Education

### Bachelor of Engineering - Computer Engineering

Sept. 2023 - Exp. 2028

Toronto Metropolitan University, Toronto, ON

• Relevant Coursework: Computer Programming Fundamentals, Electric Circuit Analysis, Digital Systems, Software Systems, Algorithms & Data Structures

### Certifications/Training

- Google Cybersecurity Professional Certificate - Jun 2025
- Google IT Support Professional Certificate - Feb 2025
- Cyberstart Canada - Participant (2025/2026), Selected for national cybersecurity training program; developing skills in cryptography, web exploitation, Linux forensics, incident response, and more.

## Projects

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

Built a virtualized security lab to practice offensive and defensive techniques, focusing on scanning, exploitation, and SIEM detection. Full technical write-ups and screenshots available on portfolio: shayaanrashedin.github.io

- **Network Scanning & Reconnaissance:** Conducted Nmap service/version scans and an OpenVAS vulnerability assessment on Metasploitable2, enumerating 30+ services and identifying critical exposures including vsftpd 2.3.4 backdoor, UnrealIRCd, and distcc.
- **Vulnerability Exploitation:** Validated and exploited vulnerabilities from the reconnaissance phase to gain root shells (vsftpd, UnrealIRCd, distcc), documenting procedures and findings on personal portfolio site.
- **Brute-Force Detection with Splunk:** Simulated SSH brute-force attacks from Kali Linux against Metasploitable2, configured Splunk SIEM to detect SSH brute-force attempts, reducing detection time by 75% (MITRE ATT&CK T1110).

## Experience

### Director of Education – TorontoMet Cybersecurity Association, Toronto, ON

Oct 2025 – Present

- Plan and lead educational cybersecurity events for TMU students, including Intro to linux workshops and CTF sprint challenges, helping participants strengthen hands-on skills in system administration and cybersecurity fundamentals.

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

Sept 2024 – Present

- Taught hands-on LEGO engineering projects to 20+ students, simplifying like transmissions, gear ratios, and programming logic into engaging lessons that built teamwork and problem solving skills.

### Lead Builder & Programmer - VEX Robotics World Championship Team, Mississauga, ON

2022 – 2023

- Designed and programmed competition robots for the VEX World Championships, representing Canada internationally and mentoring teammates in debugging to enhance reliability and performance.