

Shayaan Rashedin

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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 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:** SIEM (Splunk), OpenVAS/GVM, Nmap, Linux (Kali, Ubuntu), VirtualBox, Bash, Java, SQL, Digital Systems, Embedded Systems, Computer Architecture, Circuit Analysis, Algorithms & Data Structures
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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, and incident response.*
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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

- **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).
 - **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.
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Experience

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

Sept 2024 – Present

- Delivered engineering curriculum with hands-on LEGO projects; mentored 20+ students in teamwork and problem-solving.
- Simplified technical concepts (transmissions, gear ratios) into engaging lessons; received positive parent feedback.

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

2022 – 2023

- Designed and programmed competition robots; represented Canada internationally.
 - Trained teammates on programming and debugging, improving reliability and performance.
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