

# KRISHNARAJ MURUGAN

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Mississauga, Canada

## PROFILE

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Cybersecurity professional specializing in penetration testing, vulnerability assessment, and offensive security operations. Experienced in identifying and mitigating risks across web applications and network infrastructures using industry-standard tools and methodologies. Well-versed in security frameworks including OWASP Top 10, MITRE ATT&CK, and CVEs. Demonstrates a proactive approach to threat detection, risk communication, and secure development practices. Committed to advancing cyber defense capabilities through continuous learning and hands-on technical expertise.

## TECHNICAL EXPERTISE

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**Networking:** LAN/WAN, Network Security, IP Protocols, Server Networks

**Security Assessment:** VAPT, OWASP Top 10, CVE Analysis, SANS Top 25

**Operating Systems:** Kali Linux, Ubuntu, MacOS, Windows

**Security Tools:** Burp Suite, Nmap, Wireshark, Metasploit, SQLmap, BloodHound, OWASP ZAP, gobuster

**Exploitation Techniques:** Privilege Escalation (Windows/Linux), Shell Access, Pivoting, Credential Dumping, Lateral Movement

**Wireless Security:** WPA/WPA2 Attacks, Network Vulnerabilities

## CERTIFICATIONS & TRAININGS

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- Dante – Pro Labs – Hack The Box – May 2025
- eLearnSecurity Junior Penetration Tester (eJPT) – INE – Sept 2024
- Windows Privilege Escalation – TCM Security – Nov 2024
- Linux Privilege Escalation – TCM Security – Jan 2024
- ICCA – INE – Aug 2024
- CEH – Prompt Info Tech – Dec 2021
- CCNA – Prompt Info Tech – Sept 2021
- N+ – Prompt Info Tech – Aug 2021

## EXPERIENCE

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**Sales Associate & Cashier | Crocs, Mississauga, ON**

(May 2024 – Present)

- Processed customer transactions accurately while providing friendly and efficient service.
- Supported daily store operations, including inventory management and product displays.
- Built strong communication and interpersonal skills through customer engagement.

**Penetration Tester - Intern | Security Lit – New Zealand**

(Sep 2023 – March 2024)

- Conducted in-depth web application penetration testing to uncover security flaws using tools such as Burp Suite, OWASP ZAP, and SQLmap.

- Performed manual testing to identify complex vulnerabilities including Cross-Site Scripting (XSS), Cross-Site Request Forgery (CSRF), and SQL Injection, beyond the scope of automated tools.
- Collaborated closely with development teams to analyze root causes, reproduce issues, and deliver actionable remediation strategies.
- Composed detailed technical reports and executive summaries, clearly articulating findings, risk levels, and mitigation recommendations for various stakeholders.
- Ensured all testing aligned with industry standards such as OWASP Top 10, and adhered to secure SDLC best practices.
- Participated in internal security reviews and contributed to the continuous improvement of testing methodologies and security workflows.

## PROJECTS

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### Website Vulnerability Scanner

(Jan 2023 – Apr 2023)

Developed in Perl, this tool scans websites for vulnerabilities and categorizes bugs based on severity. It automates common checks and generates security analysis reports.

### Web Scraper

(Dec 2021 – Apr 2022)

Built using Selenium WebDriver for automated data extraction from websites. The scraper efficiently collects large-scale structured data for further processing.

## ACHIEVEMENTS

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- **Secured a hospital website:** Identified and responsibly disclosed critical XSS vulnerabilities in a hospital web application, leading to successful remediation and enhanced patient data security.
- **Published article:** The AI Arms Race: How Machines Are Learning to Fight Alongside Us in Cybersecurity – ISC2 Toronto Chapter. [Read Article](#)
- **Solved 200+ machines on Hack The Box,** demonstrating hands-on proficiency in exploitation, enumeration, privilege escalation, and post-exploitation across various real-world scenarios.

## EDUCATION

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### Cybersecurity & Computer Forensics

(04/2024 – Present)

Lambton College | GPA: 3.75 / 4.0

### BSc in Computer Science

(08/2020 – 05/2023)

PSG College of Arts & Science | GPA: 8.0 / 10.0

## ADDITIONAL INFORMATION

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- **References:** Available upon request.
- **Professional Development:** Actively engaged in continuous learning to stay updated with the latest cybersecurity trends and techniques.