Parv Choksi

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Education

Dalhousie University — Halifax, NS
Bachelor of Computer Science – Certificate in Cyber Security — *Sept. 2022 – May 2026*

University of Calgary — Halifax, NS
Bachelor of Science - Concentration in Biology — *Sept. 2018 – May 2022*

Certifications

Coursera — Halifax, NS
Google Cybersecurity Professional Certificate — *Jan. 2024 – Mar. 2024*

CompTIA — Halifax, NS
Security+ (SY0-701) — In Progress — *Sept. 2025 – Nov. 2025*

Skills Summary

Technical: HTML, CSS, JavaScript, Node.js, GitHub, Bootstrap. Java, Python, SQL, Bootstrap, Wireshark, Docker
Adaptability & Continuous Learning: Willingness to learn and develop new skills associated with Cyber Security to maintain adaptability to technological changes.
Communication: Adept in efficiently and effectively communicating with stakeholders and a passion for improving outcomes through effective collaboration.
Problem-solving: Strong analytical skills, specializing in troubleshooting issues and devising efficient solutions.

Work Experience

Cyber Security Analyst — May 2023 – Present
Statistics Canada — *Ottawa, ON*

Incident Response Team — *May 2024 – Sep. 2024*

- Optimized Microsoft Sentinel alerting by refining detection rules, adjusting severity levels, and implementing playbooks, reducing false positives by 40% and improving response times by 25%.
- Responded to Microsoft Sentinel alerts by analyzing logs, contacting users, and implementing fixes, contributing to 30% of the team's resolved alerts and enhancing overall security posture.
- Constructed monthly DLP reports for users with over 3,000 alerts and collaborated with the IR team to mitigate incidents, strengthening data protection.

Endpoint Protection Team — *Sep. 2025 – Present*

- Raised Microsoft Defender for Endpoint compliance to 98% across virtual machines and VM scale sets by collaborating with infrastructure teams and implementing targeted remediation initiatives.
- Developed automated weekly Power BI dashboards integrating Defender, Trellix, HP Sure Click, and HBS data using DAX, PowerShell, and Azure Runbooks to track enterprise-wide compliance.
- Collaborated with infrastructure and compliance teams to remediate vulnerabilities and align systems with organizational security baselines.

Personal Projects

Web Exploitation Capture The Flag (CTF) | *Burp Suite, OWASP ZAP, Wireshark, Linux* — Oct. 2025

- Completed a university-level cybersecurity CTF focused on web exploitation and vulnerability assessment of simulated web applications.
- Identified and exploited OWASP Top 10 vulnerabilities such as SQL injection, cross-site scripting (XSS), command injection, and authentication bypass to retrieve hidden flags.
- Utilized Burp Suite, OWASP ZAP, nmap, and sqlmap for reconnaissance, payload testing, and exploitation, demonstrating practical offensive and defensive security skills.
- Documented exploitation methodologies, remediation strategies, and mitigation recommendations to reinforce secure-coding awareness.