

ARSHDEEP KAUR

ON, Canada · (437) 260-3280 · arshdeepk190@gmail.com · www.linkedin.com/in/arshdeepkaur17

EDUCATION

Sheridan College, Oakville

Graduation: December 2026

Honours Bachelor of Information Sciences (Cyber Security)

SUMMARY

- Motivated Cybersecurity student with a solid foundation in cybersecurity principles, forensic tools, and network monitoring
- Ability to work effectively within a team with proficient intrapersonal and interpersonal skills developed through academic course work, coordination of numerous collaborative projects with corresponding technical reports, and team-oriented professional work experiences
- Experience across technical, educational, and startup environments with a demonstrated ability to adapt and contribute meaningfully

TECHNICAL SKILLS

Languages: Java, Python, C/C++, HTML/CSS, JavaScript, SQL, PHP

Applications: Autopsy, OracleSQL, Nmap, Splunk, Microsoft Defender, PowerShell ISE, VMware, Wireshark, Clion, Sysinternals, Figma, Git, Bootstrap, VSCode

Technologies/Tools: Confluence, JIRA, Perforce, GitHub

Operating Systems: Microsoft Windows, Linux(Kali, Ubuntu, CentOS), Apple MacOS

Certifications: RedHat Certified System Administrator (RHCSA), Cyber Ambassador: Student Cyber Guardian, Manufacturing Cyber Protection, CompTIA Security+

WORK EXPERIENCE

Algorithmics School of Programming - Mississauga, ON

September 2023 – Present

Teacher/Tutor – Python

- Delivered Python programming lessons to over 30 students aged 12–18, resulting in a 90% average improvement in assessment scores.
- Designed and executed custom lesson plans for neurodiverse learners, increasing engagement by 60% through interactive, visual-based tools.
- Collaborated with instructors to align course content with student goals and institutional objectives, boosting student satisfaction by 40%.
- Conducted monthly evaluations and personalized feedback sessions to track progress for improvement purposes.

EduPodz - Mississauga, ON

February 2024 – August 2024

Technical Account Manager

- Generated a 25% increase in student enrollments by designing tailored marketing campaigns and CRM-driven outreach strategies.
- Facilitated 10+ webinars and in-person workshops, enhancing community engagement and building brand awareness.
- Analyzed client feedback and collaborated with instructors to refine training plans, improving course retention by 20%.

PROJECTS

Canjinn - Startup Founder

HTML, CSS, JavaScript, Python, Figma, Firebase, AI Resume Builder APIs

- Launched a tech platform aiding 100+ international students in securing part-time employment through AI-based resume building and career coaching.
- Developed a two-tier subscription model (Basic and Premium), generating \$3,000+ revenue in the first 6 months.
- Partnered with 15+ local businesses and nonprofits to create job placement pipelines and boost student employability.
- Utilized user analytics to drive 3 major platform updates, improving user retention by 40% and conversion rates by 25%.

Product Shipping Application

Java, HTML, CSS, SQL, Bootstrap, IntelliJ

- Collaborated with a 10-member team to develop a comprehensive shipping application
- Led the team as the Project Manager, overseeing the backend, frontend and database team, along with the designated Development Lead
- Implemented agile development framework by conducting three weekly SCRUM meetings
- Developed the application as a Spring Boot Java project which consisted of backend in Java, frontend in HTML/CSS, and SQL database to store data

GRR Deployment and Configuration

Python, MySQL, GRR, Fleetspeak, Virtual Machines, Linux (Ubuntu)

- Configured GRR using Fleetspeak and MySQL, enhancing server-client communication efficiency by 50%.
- Developed 6+ custom GRR flows to extract forensic artifacts including OS, network, and process data from virtual machines.
- Identified and resolved 10+ deployment issues, optimizing system uptime and improving security compliance.

Security Monitoring with Splunk

Splunk, Windows Event Logs, Linux Logs, Firewall Logs, SIEM Concepts

- Deployed a real-time log ingestion system using Splunk, integrating logs from simulated endpoints, firewalls, and application servers.
- Built correlation rules and alerts to detect brute-force attempts, reducing detection time from hours to minutes.
- Created dashboards for SOC analysis, enabling faster incident triage and response.

EXTRACURRICULAR EXPERIENCE

Capture the Flag (CTF) Competitions

- Achieved 5th place in a university-level CTF competition with 1100 points by solving timed challenges in cryptography, web exploitation, steganography, reverse engineering, and binary analysis.
- Successfully bypassed security mechanisms in simulated environments using tools such as Burp Suite, Ghidra, and Python-based scripts.
- Collaborated with a team to divide complex tasks, developing strategic problem-solving and rapid response skills under pressure.
- Gained hands-on experience in real-world security scenarios including buffer overflows, XSS, SQL injection, and password cracking.

Capture the Flag (CTF) Competitions

- Attended industry-leading conferences such as OptivCon, SiberX Meetups, SecTor 2024, and Black Hat Bureau CTF 2025 to stay informed on emerging threats, attacker TTPs (Tactics, Techniques, and Procedures), and defense mechanisms.
- Participated in hands-on workshops and zero-day demo sessions focused on malware analysis, endpoint detection, and network security best practices.
- Networked with professionals from companies like Palo Alto, IBM, and Fortinet, gaining insights into career paths and enterprise-level security frameworks.
- Applied knowledge from sessions to refine personal security labs and improve performance in CTF and TryHackMe challenges.

TryHackMe Labs & Simulations

- Completed 50+ guided labs, challenges, and learning paths across penetration testing, digital forensics, web application hacking, and privilege escalation.
- Gained practical exposure to tools such as Nmap, Metasploit, Wireshark, John the Ripper, and Hydra within safe virtual environments.
- Specialized in paths like "Pre-Security," "Offensive Pentesting," and "SOC Level 1 Analyst," building a well-rounded cybersecurity foundation.
- Continuously track and improve ranking on the TryHackMe leaderboard through daily challenges and red/blue team exercises.