

Jasraj Singh Johal

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Looking for coop / part-time/ full-time starting in May / September 2024

Dependable Computer Science student excelling in high-pressure environments with meticulous attention to detail.

Collaborative team player with a solid programming and cybersecurity foundation, driven by a tech passion.

Committed to excellence and eager to contribute expertise for tech innovation through continuous learning.

Skills

- Programming: Python | C | Shell | HTML | CSS | MySQL | ELM | Haskell | Bash | MATLAB | Octave
- Development Tools: GitHub | VS Code | PyCharm | Sublime Text
- Microsoft Suite: PowerPoint | Excel | Word | Teams | OneNote
- Ethical Hacking: Vulnerability assessment | System security | CTFs | Secure protocols | Network Infrastructure | Computer Repair | Diagnostics | Troubleshooting | Resolution
- Wireshark | PRTG | NIST 800 | ISO 27001 | GRC Frameworks | Risk Management Frameworks | Data Analysis | Training and Development | Crisis Management | Relationship Building | Risk mitigation
- Hackathon organiser | Cybersecurity mentor | Git | collaborative coding | collaboration

Education

Bachelor of Applied Sciences, Computer Science

Sept 2022 - Present

McMaster University, Hamilton ON

- Awarded Engineering Research Award, Dean's Excellence Award, and Provost Entrance Scholarship, reflecting exceptional academic performance and dedication in engineering studies.

Diploma in Cyber Security

June 2023 - Aug 2023

Lighthouse Labs

- Completed a 12-week Cyber Security Bootcamp, acquiring hands-on expertise in foundational cyber security principles, network management, scripting in Python and BASH, blue team operations, compliance reporting, vulnerability assessment, incident response, encryption protocols, and threat modelling. Proficient in communicating complex security concepts to business stakeholders and skilled in network forensics, indicators of compromise detection, and designing mitigation plans for network architecture. ([Link to certificate](#))

Leadership Experience

General Member | Google Developer Student Clubs (GDSC), McMaster

Oct 2023 - Present

- Gained exposure to the latest technology trends and upskilled through participation in club activities

Founder of CryptX High School Club, Led the cybersecurity division

Apr 2020 - Sept 2022

- Turing Fest: Organized and moderated a week-long intraschool Hackathon with 9 events, involving 180+ student participants in cybersecurity and other tech areas
- ["The Right Click" Newsletter](#): Editor in Chief, authored various articles on diverse technology topics and oversaw the newsletter organisation
- Mentorship: Guided over 200 students in grades 8-12 in computer science, with a focus on Cybersecurity (Ethical Hacking and Networking)
- [Global OSINT Search Party CTF contestant](#), showcasing competitive spirit and technical expertise
- Ranked 8th in International Informatics Olympiad 2020, demonstrating advanced problem-solving skills
- Achieved 6th place in Amity University's Techashi's War - Coding & Programming Competition
- Authored a published article on "[Importance of Cybersecurity](#)" in the Scholarly Research Journal for Interdisciplinary Studies

Certifications

- [Practical Ethical Hacking: The Complete Course, Udemy \(2021\)](#)
- [Cloud Computing for Everyone, DataCamp \(2021\)](#)
- [Introduction to Python for Data Science \(DAT208x\), Microsoft Corporation, edX \(2020\)](#)