

Harish Suhirthan

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- **Skilled Programmer:** (Python, C)
- **Experience with Web Technologies:** Proficient in HTML & CSS
- **Developing Skills in Networking:** Building expertise in Internet Protocols and Network Infrastructure

EDUCATION

Glenforest Secondary School , Mississauga, ON	Sept 2022 - May 2025
<ul style="list-style-type: none">• <i>IB Diploma Student / Highschool Diploma Student</i><ul style="list-style-type: none">◦ <i>HL Math, HL Chemistry, HL English, SL Physics, SL French & SL Global Politics</i>• Cumulative GPA: UW 4.0, Honor Roll Student	

EXPERIENCE

Access D Solutions – AccessPeoplesConnections	Aug 2024 – Present
<u>Junior Web Developer</u> <ul style="list-style-type: none">• Contributed to the design and development of 3+ web applications, focusing on user-friendly interfaces to enhance engagement.• Strategically implemented 5+ new features, ensuring they aligned with project objectives and improved user retention.• Spent 50+ hours on development, feedback implementation and review, refining applications based on user and stakeholder input.	
University of Waterloo – Institute for Quantum Computing	Aug 2024 – Sept 2024
<u>Student Researcher</u> <ul style="list-style-type: none">• Selected as 1 of 200 students worldwide to explore foundational concepts in quantum knowledge and quantum computing.• Participated in 10+ lectures delivered by researchers from University of Waterloo IQC, learning about the quantum world.• Examined potential applications of quantum in cryptography, discussing the use of Shor's Algorithm.	
City of Mississauga – River Grove Community Centre	Sept 2023 – Present
<u>Lifeguard/Swim Instructor</u> <ul style="list-style-type: none">• Worked in team setting, communicating and collaborating with other guards to ensure a safe environment for all participants• Instructed over 100 participants of various skill levels, adapting lessons to meet the needs of different age groups.• Monitored pool safety, performed water rescues, and administered first aid to ensure a safe swimming environment.	
Royal Canadian Air Cadets – 800 Black Forest Squadron	Nov 2019 – Present
<u>Flight Sergeant</u> <ul style="list-style-type: none">• Led flight drills and provided mentorship to junior cadets, focusing on discipline, teamwork, and leadership development.• Instructed 100+ cadets aged 12-16 on a range of topics from aviation to survival skills, ensuring lessons were engaging and fun.	
<u>Flight Commander</u> <ul style="list-style-type: none">• Supervised cadet activities, facilitated training sessions, and led drill competitions, achieving first place for Best Drill Commander (April 2024).• Mentored and managed 20+ cadets on a weekly basis, acting as a liaison between senior officers and cadets to guide the squadron in leadership and discipline.	
<u>Level 1 Non-commissioned Officer (NCO)</u> <ul style="list-style-type: none">• Supervised training, uniform standards, and deportment for 40+ new cadets, preparing them to become exemplary cadets.• Collaborated with officers to ensure completion of required training Performance Objectives (POs) for all level 1 cadets.	

Projects/Extracurriculars

AHA Learning Website Development FraserHacks Hackathon	Nov 2024 - Dec 2024
<ul style="list-style-type: none">• Made a website where you can teach and learn for rewards! Won Best Presentation of Hack at the biggest Hackathon in Mississauga	
Peer Helpers (Peer Tutoring Club) – Head of Finance and Student Tutor	Nov 2021 – Present
<ul style="list-style-type: none">• Tutored students (Gr 9 - 12) in Math, Science, and English weekly / Managed Finances for club activities	
6070 FRC Robotics Team – Design/Build Faction	Nov 2023 – Jun 2024
<ul style="list-style-type: none">• Worked alongside 5+ departments to design robot components using CAD software and ensure functionality of the robot.	

Certifications

HarvardX – Introduction to Computer Science (CS50)	Oct 2024 – Present
Cisco Networking Academy – Networking Basics, Introduction to Cybersecurity	Sept 2024 – Present
Python Institute – Certified Entry-Level Python Programmer	May 2022 – Present
LifeSaving Society – Standard First Aid and CPR C	Jan 2023 – Present
LifeSaving Society – National Lifeguard	Mar 2023 – Present
LifeSaving Society – Swim and Lifesaving Instructors	May 2023 – Present

Skills

Problem Solving || Teamwork || Time Management || Adaptability || Programming (Python & C) || Cryptography (ECC, RSA) || Web Development || Networking (including routing, switching, VPN configuration, and NAS setup)|| Cybersecurity