

SHRESHTH AGGARWAL

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Waterloo, ON

Summary of Qualifications

- **Programming Languages:** Python, Racket, C, HTML, R, SQL.
- **Technologies:** MS Office, Microsoft Excel (pivot tables, VLOOKUP, data analysis tools, PowerPoint, Outlook), Adobe creative suite and Linux.
- **Languages:** Fluent in English, Hindi and Punjabi

Awards and Accomplishments

- **NSBE Hacks 2023 (Participant):** came up with technical solutions to various problems, networked with industry professionals, and attended workshops.
- **International Math Olympiad:** Silver Medalist
- **Student Council (Member):** Mentored students, provided guidance and support.
- **Award of Merit:** Winner for 3 consecutive years.
- **Award for Academic Excellence:** Winner for 4 consecutive years.
- **University of Waterloo's president's scholarship of distinction:** Awarded with a scholarship of 2000 CAD.

Experience

OnGraph Technologies, India-- Python Intern

June'21 – September'21

- Worked closely with the python development team and gained valuable insights into the industry.
- Primarily worked with Python libraries such as Django, Numpy, Pandas and Matplotlib.
- Worked on an e-commerce website with a team of 5 people and worked primarily on back-end development.

City One Initiative, India— Student Leader

July'21 – November'21

- Managed social media handles such as LinkedIn, Twitter and Facebook.
- Worked on organizing and promoting virtual events and MUNs.
- Worked closely with the social media team of City Online Model UN 2021 for organic sharing and promotion of the event.

'Rendezvous' by IIT Delhi, India —Workshop Attendee

October'19

- Attended three one-day workshops on topics varying from programming with Arduino, IoT to IC engines.
- Worked on a number of mini-projects with IoT and Arduino boards.
- Dismantled and reassembled an IC engine with a team of 7 people.
- Networked with industry professionals and IIT graduates.

Mission Deep Educational Trust, India — Volunteer

June'21 – September'21

- Volunteered with an NGO to teach underprivileged children from rural parts of India.
- Taught English, Mathematics and Science to children ranging from class 5 to class 9.
- Helped conduct various seminars/workshops to spread awareness about literacy to rural areas.

Projects

Smart-Home Project (2019)

Arduino Boards, C

- Built a smart home project using IoT with Arduino and its various modules. Automated lighting, heating and entertainment systems through voice commands.

Security system for a retail store (2020)

- Lead a team of 6 people to deploy a security system which integrated surveillance cameras, alarm system and smart-locks which helped reduce the number of theft attempts by 45% in 2 weeks.

DBMS for class results (2019)

- Built a DBMS for storing the final result of all the students of a class using Sql.

Education

UNIVERSITY OF WATERLOO - Bachelor in Honors Mathematics

Sept 2022-April 2027

- Relevant courses: Math 135/136/137, CS 135(Designing Functional Programs), CS 136(Elementary Algorithm Design and Data Abstraction), CS136L (Tools and Techniques for Software Development).