

# AVNI ARORA

Mathematics/Business Administration Co-op Student (21003010) || University of Waterloo || Mississauga, ON, Canada  
✉ avni.arora0818@gmail.com · 📞 (365) -773-2655 · linkedin.com/in/avni-arora-bb895b213 · https://github.com/avniarora1808

## OBJECTIVE

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Learn new skills and software in programming to integrate with business solutions and managing business projects.

## SKILLS AND AWARDS

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**Programming:** HTML/CSS, JavaScript (React, Angular), Java, SQL, Python, Racket

**Software:** Microsoft Office, Excel VBA, Git, UI/UX Software (Figma, Proto.io), SLACK, Adobe, LaTeX

**Awards:** CPA Ontario Challenge (1st place), IgnitionHacks (Best Education Hack), Ignitionhacks (Division Delta Winner), Fintectual Winner (People's choice), University of Waterloo President's Scholarship recipient (\$2000), Waterloo Euclid Contest (Distinction)

## WORK / VOLUNTEER EXPERIENCE

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**Math4Me Tutoring** //Teacher/Mentor- Mississauga, ON (August 2021- Jan 2022)


- Assisting 30+ junior highschool students with core fundamental concepts of math (trigonometry, linear relations etc.)
- Supervising 10+ new, incoming tutors and providing guidance on making their lessons more efficient
- Designing online lesson plans and content using google slides and sharing them with students on google classroom
- Creating weekly progress reports on students which would be made available to parents
- Providing resources and exam-style questions as extra practice to help students learn beyond the curriculum

**City of Mississauga** // Junior Instructor- Mississauga, ON (May - August 2019)


- Teaching level 3+ swimmers fundamental swimming techniques (freestyle, breaststroke etc.) with proper form
- Supervising swimming activities at the aquatic facility and ensuring that rules, regulations, and safety procedures are followed.
- Providing first aid in the event of injury, rescuing swimmers in need or risk of drowning, and administering CPR and/or artificial respiration, if required.

## PROJECTS

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**Steglib** — IgnitionHacks Best Education Hack Winner 2022  // HTML/CSS, Flask, Pytorch

- Steglib is an encryption and decryption website. With this website, anyone can check if a pertinent image has a secret message in it or not, and can learn about ways to detect them (such as steganalysis).
- Handled frontend using basic HTML/CSS along with the bootstrap library to provide a clean and simple interface for users to access the Steganalysis

**Foodwise** — IgnitionHacks Division Delta Winner 2021  // HTML/CSS, JavaScript, Python

- Foodwise is an interactive website that suggests meals based on personal needs, preferences, and available ingredients.
- A key feature of this website is photo detection, which was implemented using a multiclass visual classifier model
- Coded frontend from scratch and created animations using JavaScript

**HomeCity Online Dimension** — PTC Hackathon  // HTML/CSS, JavaScript

- HomeCity is a shopping/publicity website that enables users to make online purchases and contact the business
- Website includes a functioning cart and a live chatting bot for immediate assistance

## Extracurricular Experiences

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**Future Business Leaders of America (FBLA)** // Marketing trainer/ Head of Events (Sept 2020- June 2022)

- Supervising a team of 50+ members in planning events for fundraisers, business events, etc.
- Training 20+ students competing in the marketing event with essential roleplay skills and core marketing concepts

**FIRST Robotics** // Design/Mechanical Team Member (Sept 2020- June 2022)

- Using SOLIDWORKS to model various robot designs while matching competition requirements
- Working in a collaborative team setting to assemble parts of the robot while following the safety protocols in place

## Education

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University of Waterloo // Bachelor of Mathematics/Business Administration (Co-op) (Sept, 2022- 2027)

- Math 135/136/137/138, CS 135 (Racket, Functional programming course), CS 136 (C++, imperative programming course)