

# Ansh Chaturvedi

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## EXPERIENCE

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### BLS International Services Inc.

March 2021 – June 2021

*Submissions Officer*

Brampton, ON

- Coordinated the **successful processing of visa and passport applications** on behalf of the Govt. of India
- Demonstrated **essential people skills** when interacting with customers and working with colleagues
- Assured application processes proceeded with a **high level of integrity and accuracy**

### PPL Group Limited

June 2020 – Sept 2020

*Lifeguard and Swim Instructor*

Mississauga, ON

- Took over the **responsibility of keeping patrons safe** while during pool use by staying alert and ready at all times
- **Organized and ran free classes** to teach over 50 children essential swimming skills and emergency first-aid
- Oversaw and participated in the annual fundraiser and **raised more than \$200** for the Swim to Survive program

## PROJECTS

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### rememberIt

- Built a web application using the **MERN stack** to keep track of to-do items
- Learned about making websites with **JavaScript, Node.js, the Express.js framework, React.js** components to make scalable web applications, and Mongoose to connect a **MongoDB database cluster** to the back-end
- Used **Figma** for wireframing and design

### Secrets

- Made a web application using **JavaScript, Node.js and the Express framework** to make a Facebook-like social media platform where people can anonymously share their secrets
- Used the **Passport library in Node.js** and **Facebook's OAuth 2.0 authentication protocol** for secure login

### Traffic Sign Classifier

- Designed a **traffic sign classifier** using a neural net with **multiple convolutional and pooling layers**
- Developed using **Tensorflow 2.0** and **Keras's high-level API**

### Premdictor

- My team official entry into Hack the North 2020++, **Canada's largest hackathon** hosted by uWaterloo
- Developed a Premier League standings calculator, using **statistical models** developed with NumPy and Pandas
- Designed a front-end with **Flask, HTML, CSS, and Javascript**
- Used **SQLite3 as our local database storage solution** and **Jinja2** as our primary templating engine

## EDUCATION

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### University of Waterloo

Sept 2021 – June 2026

*Honours Bachelors of Computer Science*

Waterloo, ON

- **Coursework:** Designing Functional Programs, Elementary Algorithm Design, Data Abstraction

## ACHIEVEMENTS

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**Languages :** Python, JavaScript (Node.js and React.js), HTML/CSS, SQL (MongoDB and SQLite3)

**Courses :** CS50 and CS50 AI by Harvard Summer School, Udemy Introduction to Full-Stack Web Development

**Hobbies/Interests :** Cricket, Hiking, Running, Board Games, Travelling!