

# SHRESHTH AGGARWAL

MOTIVATED CO-OP STUDENT PURSUING REAL-WORLD EXPERIENCE

## CONTACT

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## SKILLS

**Programming Languages:** JS, CSS, HTML, Python, C, Racket, R, SQL

**Technologies:** MS Office, Adobe Creative Suite, Linux, ReactJs, API's, VSCode, Jupyter Notebook, Command Shell, Data Structures and Algorithms, Git, Pandas, NumPy, Matplotlib, Seaborn, UI/UX design, Operating Systems, Arduino Boards, Rest API

**Other Relevant Skills:** Collaborative teamwork, Problem Solving, Critical Thinking, Communication, Agile/Scrum Methodologies, Data Analysis/Visualization, Debugging and Troubleshooting, IoT

## EDUCATION

**University of Waterloo**


**B.Math (Hons.)**


2022-2027 (Expected)


**Relevant Courses:** Designing Functional Programs, Elementary Algorithm and Data Abstraction, Tools and Techniques for Software Development.

**President's Scholarship of Distinction**

## LANGUAGES

English 

Hindi 

Punjabi 

## PROFILE

I am an enthusiastic and hard-working student eager to apply my web development, data analysis, AI, and business acumen to real-world projects. Driven by a passion for innovation, problem-solving, and relentless work ethic, I am poised to contribute to any team. I'm committed to making a positive impact through technology-driven progress. I am actively seeking internships/co-op opportunities to further my skill-set and gain practical experience,

## WORK EXPERIENCE

### Waterloo Experience(WE) Accelerate Program

**Manulife**

**March'23 - August'23**

- Participated in the 'Modern Web Applications Design' stream with Manulife for the WE accelerate program.
- Built a web application for a local restaurant using ReactJS, CSS and JS to increase their online presence and for better marketing.
- Worked with 'Cyberworks Robotics' on a Telepresence Remote Control System Support Project to customize their AWS cloud-based fleet management system for a fleet of autonomous vehicles operating at a US airport.
- Programmed Fleet Task Report Pages for the system and collected/displayed data from over 6 autonomous devices.
- Linked the front-end and the back-end for the system and added functionalities to analyze the data generated and to download the report as a PDF file.

### Python Intern

**OnGraph Technologies**

**June'21 - September'21**

- Interned with the python development team to gain relevant experience and insights into the industry.
- Worked with python development libraries such as Django, Pandas, Matplotlib and Numpy.
- Worked on a clone for an E-Commerce site using JS and CSS and implemented price-tracking functionality.

## PROJECTS

### Personal Portfolio Website

- Built a fully responsive ReactJS web application for a personal portfolio website using JS and CSS.
- Designed a minimalistic UI to display all relevant information in a simple yet effective way.
- Implemented an automated Email service to facilitate communication using EmailJS.

### Sales analysis

- Analyzed the data for sales of various goods and services during an Indian Festival.
- Used Pandas, Numpy, Matplotlib and Seaborn libraries in Python to manipulate data spanning over 15 columns and 11251 rows in excel.
- Interpreted data to get a conclusion to facilitate enhanced sales and customer satisfaction.

### Webpage for a Restaurant

- Created a fully responsive webpage for a restaurant and incorporated major components such as a home page, menu and other sections.
- Used ReactJS for the front-end which can fetch data and create POST requests using Rest API.
- Used MongoDB to store user contact information and implemented an independent API to display the menu.