SHRESHTH AGGARWAL

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EDUCATION

University of Waterloo   **Waterloo, ON**
B.Math(Hons.)   *September 2022 – Present*
- **Relevant Courses:** Designing Functional Programs, Elementary Algorithm and Data Abstraction, Tools and Techniques for Software Development, Introduction to Microeconomics, Introduction to Macroeconomics.
- **President's Scholarship of Distinction ($2000)**

SKILLS & INTERESTS

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

PROFESSIONAL EXPERIENCE

Manulife   **Waterloo, ON**
Waterloo Experience(WE) Accelerate Program   *March 2023 – 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.

OnGraph Technologies   **Delhi, India**
Python Intern   *June 2021 – September2021*
- Interned with the python development team to gain relevant experience and insights into the industry
- Gained experience with python development libraries such as Django, Pandas, Matplotlib and Numpy
- programmed a clone for an E-Commerce site using JS and CSS and implemented price-tracking functionality.

PROJECTS

Personal Portfolio Website   **ReactJS, CSS, HTML, JS**
- 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   **Pandas, NumPy, MatplotLib, Seaborn, Jupytr Notebook**
- 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 to data to get a conclusion to facilitate enhanced sales and customer satisfaction

Webpage for a Restaurant   **ReactJS, CSS, HTML, JS, MongoDB**
- 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

ACTIVITIES & LEADERSHIP

Hack The North   **Waterloo, ON**
Volunteer   *September 2023*
- Played a pivotal role in executing various Hack the North events, including onboarding and registration of hackers, and general floor patrolling, to ensure smooth operation of the event.
- Gained valuable skills in event management, mentorship, and also enhanced my capabilities in tech-related roles.

UW Data Science Club   **Waterloo, ON**
Club Member   *September 2022 – Present*
- Engaged and committed member of the Data Science Club, actively participating in club activities, workshops, and projects to enhance data science skills and knowledge.