

Disha Padia

dishapadia21@gmail.com | (647)-928-6416 | <https://dishapadia.github.io/personal-website/>

TECHNICAL SKILLS

Languages/Frameworks: Java, Python, C, C++, C#, HTML, CSS, JavaScript, ReactJS

Tools/Platforms: Git, Jupyter Notebook, MySQL, Linux, Windows, MacOS, Markdown, PostgreSQL, PgModeler, FastAPI, Unity

SOFT SKILLS

Adaptability, Time-Management, Problem-Solving, Flexibility, Patience, Teamwork, Attention to Detail, Interpersonal Skills, Critical Thinking

WORK EXPERIENCE

Ontario Tech Racing

Oshawa, ON

Backend Developer

May 2024 - April 2025

- Co-lead backend development for the team's CFD simulator interface, with a focus on building the backend architecture, designing the database structure, and handling deployment.
- Coordinating with the frontend team to allow seamless communication between the user interface and the backend system.
- Reporting to the Software Team Lead to ensure a streamlined development process while adhering to project management guidelines

EDUCATION & TRAINING

Ontario Tech University

Oshawa, ON

Honors. Bachelors of Science and Co-op (H.BSc)-

September 2022 - Present

Comprehensive - Computer Science with Data Science

Specialization and Math Minor

- **Dean's List:** Fall 2022, Winter 2023, Winter 2024
- **Relevant Courses:** Data Structures, Algorithm Analysis, Databases, Data Analysis, Computational Science, Software Design, Software Systems Development and Integration

PROJECTS

Spam Detector - Java, HTML, CSS, Git

- Effectively addresses spam emails by utilizing the Naïve Bayes Algorithm.
- Precision and accuracy are guaranteed through the examination of word frequencies and a large dataset.
- User experience is enhanced with an intuitive and user-friendly interface

Global Education Trends in-depth Analysis - Python

- Using Kaggle's World Education data to explore the trends that shape society and give a stance about world education
- Implemented the data science process
- Utilized Pandas, Numpy, Matplotlib and Seaborn for data manipulation and visualization

Chat Server - Java, HTML, CSS, Git

- Allows real-time communication across multiple chat rooms
- Functionality includes joining, and creating chat rooms, along with sending messages with timestamps, chat room greetings, efficient message sending, user notifications.

CERTIFICATIONS

Responsive Web Design (Free Code Camp)

VOLUNTEER EXPERIENCE

Big Brothers Big Sisters of Halton

Milton, ON

Mentor/Tutor

September 2018 - June 2022

- Provided one-on-one homework and assignment support for students in grades 1-8.
- Conducted weekly sessions and was on-call for additional help, ensuring academic improvement.