

# Disha Padia

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## TECHNICAL SKILLS

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**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

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Adaptability, Time-management, Problem-Solver, Flexibility, Patience, Teamwork, Attention to detail, Interpersonal skills, Critical Thinking, Goal-oriented

## EDUCATION & TRAINING

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### Ontario Tech University

*Honors. Bachelors of Science and Co-op (H.BSc)-  
Comprehensive - Computer Science with Data Science  
Specialization and Math Minor*

Oshawa, ON

*September 2022 - Present*

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

## PROJECTS

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### 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.

### CFD Simulations - Python, FastAPI, Git

- Designed and managed the database to store simulation results, ensuring efficient data retrieval and processing.
- Ensured the database and backend systems were consistently updated to reflect the latest simulation parameters and configurations.

## CERTIFICATIONS

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### Responsive Web Design (Free Code Camp)

## EXTRACURRICULARS

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### OTU Racing Club - Backend developer

Oshawa, ON

- CFD simulations

## VOLUNTEER EXPERIENCE

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### 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.