

# Shashwat Murawala

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**Programming Languages:** Python, Racket, C, SQL, C#, C++, React, JavaScript, HTML

**Technologies:** Tkinter, NumPy, OpenCV, Pandas, TypeScript, Linux, Tensorflow, gTTS, Bootstrap, Django, Imutils

## EDUCATION

### University of Waterloo

Sept. 2022 - Present

- Candidate for Bachelor of Computer Science, Honours, Co-op with President's Scholarship of Distinction

## PROJECTS

### Gender and Age Detection | [Github Code](#) | (Python, OpenCV)

- Developed a program which identifies the approximate age and gender of the person in the image through machine learning and data analysis

### Ambulert | [Github Code](#) | (Python, Dart, Flask, Flutter, Azure, Vincenty)

- Developed a program in a team that warns citizens about an incoming ambulance through leadership and creativity

### Sudoku Solver | [Github Code](#) | (Python, OpenCV, Numpy, Tensorflow, Imutils)

- Designed an algorithm which solves the sudoku board in the image with the use of problem-solving

### Foodar | [Github Code](#) | (Python, CSS, JSON, Angular, Pandas, Typescript)

- Developing a program with a team that gives the user the closest restaurants based on their preferences through collaboration and teamwork

### Agenda | [Notion Template](#) | (JavaScript)

- Designed a Notion Template which allows the user to keep track of their due dates and upcoming evaluations utilizing organization and time management

### Online Chess Game | (Unity, C#)

- Developing an online Chess Puzzles Game that allows the user to improve their chess tactics

### Robot Worm | (Python)

- With the mentorship of Timothy Busbice, built a worm brain code uploadable to a Lego EV3 robot through active-listening and willingness to learn

## ACHIEVEMENTS

### TDSB Staff Scholarship Award

- Given to someone who has demonstrated academic excellence and contributed community

### LANXESS Scholarship Award

- Given to someone with an excellent academic record and exceptional extra-curricular involvement

### Ontario Science Centre Science School

- 1 of 25 students chosen out of Ontario to attend Semester 79 at the Ontario Science Centre Science School

### picoCTF 2021

- Placed 8th in Canada and 61st in the world

### Math Caribou Cup 2019-2020

- Placed 25th in Canada and 61st in the world

### Beaver Computing Challenge 2019

- Earned Honor Roll and placed in Group 3

## WORK EXPERIENCE

### University of Waterloo Store

Waterloo, ON

Store Associate

September 2022 - Present

- Assisted customers with online order pickup
- Restocked merchandise

### Toronto Transit Commission

Toronto, ON

Summer Student, Subway Janitor

July 2022 - September 2022

- Maintained a safe and clean environment
- Completed detailed cleanings of closed subway stations overnight

### Ontario Science Centre

Toronto, ON

Student Host

December 2021 - January 2022

- Provided customer service to a sufficient degree
- Enthusiastically and proactively engaged with visitors