

# Savir Singh

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## EDUCATION

### Garth Webb Secondary School

Ontario Secondary School Diploma

Oakville, Canada

2021 – 2025

- President of the Computer Science Club, Executive Leader of the Investment Club
- Member of the Math, Physics, Tennis Clubs
- Wrote all CEMC contests, SIN/OAPT contests, and participated in FRC 5409 robotics learning sessions

## EXPERIENCE

### Scaled Foundations

Software Engineer Intern, AI Model Research

Kirkland, USA

September 2024 – Present

- Researching and contributing models to improve simulator technology
- Learning both machine learning theory and engineering, through interpreting research papers and implementing inference scripts for models.

### University of Waterloo

Software Engineer Intern & Student Researcher

Waterloo, Canada

January 2024 – April 2024

- Worked with a team of PhD students on a software security project, FuzzSlice
- Added support for C++ repositories to the project
- Built a Flask web app to make interacting with the product more efficient
- Produced a video demo of FuzzSlice using the GUI
- Video demo and GUI were presented in the ICSE 2024 Research Track

### American Inn Ozark

Backend Engineer Intern

Ozark, USA

June 2023 – September 2023

- Built an automated system to handle updating available rooms on a website
- Programmed a real-time pinging application to notify staff of new reservations

## PROJECTS

### Math Contest Repository

🌐 mathcontestrepository.pythonanywhere.com

October 2023 – Present

An online math contest platform boasts over 290 registered users, more than 320 community members, and 1400+ problems, generating over 7000 monthly impressions. Support from Desmos as a partner enhances the platform's credibility. The project was fully developed and managed, overseeing a team of developers and business students who contributed to its maintenance.

### Clonio AI

🍏 Clonio AI

May 2024 – Present

An iOS app that can transform people into AI chatbots based on DM/text conversation history. At its peak, this application ranked 64th on the US App Store for paid apps under the "Productivity" section. It attracted 200+ downloads in the first week alone.

### BYTEsense

🐙 savirsingh/bytesense-htn-project

September 2023

A project developed for Hack the North 2023, BYTEsense is an AI-powered tool utilizing OpenAI and Cohere APIs to personalize dietary recommendations based on individual user needs. The app informs users about how different cuisines may affect them. Received a \$200 prize from Replit for building the app on their platform.

### Volcano Judge

🐙 savirsingh/volcano-judge

October 2022 – January 2023

Volcano Judge is an online competitive programming judge (similar to LeetCode or Codeforces) designed specifically to aid in learning new algorithms and data structures. Supports and has sandboxing for Python and C++.

## HONOURS & AWARDS

Top 8% (Rank 310/3948) & Score of 37/75, Canadian Computing Competition (Senior)

2024

3x First Place & Internship Invitee, PEO Mississauga Chapter High School Coding Contest

2021, 2022, 2023

Second Place Prize From Replit, Hack the North '23

2023

13th Place Provincially, Skills Ontario Coding Competition

2023

Gold Medalist, Board Representative, Halton Skills Coding Competition

2023

## SKILLS

**Languages:** Python, C/C++, Java, HTML, CSS, JavaScript

**Frameworks/Tools:** Flask, React.js, Git, Linux, Docker