Savir Singh

🌐 savirsingh.com   ⌨ savirsingh   🔗 in/savirss   ✉ savir.singh@mail.utoronto.ca

EDUCATION

University of Toronto   *Toronto, Canada*
Honours Bachelor of Science, Applied Mathematics   *2025 – 2029*
- Enrolled in the Physical & Mathematical Sciences Admission Category
- Intending to pursue Computer Science + Applied Mathematics double major

EXPERIENCE

General Robotics   *Kirkland, USA*
Software Engineer Intern, AI Model Research   *September 2024 – December 2024*
- Researched and contributed 3 models to improve simulator technology
- Learned both machine learning theory and engineering, through interpreting research papers and implementing inference scripts for models

University of Waterloo   *Waterloo, Canada*
Software Engineer Intern & Student Researcher   *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   *Ozark, USA*
Backend Engineer Intern   *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   *October 2023 – Present*
🌐 mathcontestrepository.pythonanywhere.com
Built an online math contest platform that boasts over 400 registered users, more than 600 community members, and 1,400+ problems, generating over 10,000 monthly impressions. Support from Desmos as a partner enhances the platform's credibility.

Clonio AI   *May 2024 – Present*
Ⓐ Clonio AI
An iOS app that can transform people into AI chatbots based on DM/text conversation history. At its peak, this application ranked among the top 30 apps on the US App Store for paid apps under the "Productivity" section. It attracted 200+ downloads in the first week alone.

Independent Research   *April 2024 – Present*
Worked on Odd Perfect Number problem and independently reached the same conclusion for the form of OPNs that Euler did in the 17th century. Worked with a professor at Carnegie Mellon University to research heuristics to generate addition-subtraction chains of a given length.

Volcano Judge   *October 2022 – January 2023*
⌨ savirsingh/volcano-judge
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

3x First Place & Internship Invitee, PEO Mississauga Chapter High School Coding Contest   *2021, 2022, 2023*
$200 Second Place Prize From Replit, Hack the North '23 (for building BYTEsense)   *2023*
13th Place (out of 2400+) in Coding Division, Skills Ontario 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

Last updated: June 7, 2025