

Savir Singh

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Work Experience

- Jan 2024 – Present **Student Researcher Intern – Software Security**, University of Waterloo – David R. Cheriton School of Computer Science
Working with a team of PhD students in a paid computer science/engineering research internship. Assisting in making a technology called FuzzSlice compatible with more languages including C++, and ensuring it is user-friendly.
- Oct 2023 – Present **President & Director of Software Development**, Math Contest Repository
Contributing to a not-for-profit initiative launched by a team of high school students to make math contests more appealing to youth. I lead this initiative and manage the software development aspects.
- Sep 2023 – Present **Problem Setter & Uploader**, DMOJ: Modern Online Judge
Uploading problems, including those from UWaterloo's CCC 2024 to DMOJ, Canada's largest competitive programming online judge.
- Jun 2023 – Sep 2023 **Backend Engineer Intern**, American Inn Ozark
Built a Flask website with a MySQL database to handle hotel reservations. Also implemented a real time pinging system to notify hotel staff of new reservations.

Education

- Sep 2021 - Jun 2025 **Ontario Secondary School Diploma, Garth Webb SS**
Awards: Academic Honour Roll - Grades 9 to 10, Represented School & Board at the invite-only prestigious Ontario Skills Coding Competition.

Skills

- Coding **Python, C/C++, SQL, \LaTeX**
- Databases **MySQL**
- Web Dev **HTML, CSS, JavaScript, React**
- Misc. **Academic research, Linux, Git, Docker, \LaTeX typesetting and publishing.**

Awards and Achievements

- Feb 2024 **School Champion, 37/75 in Senior Division**, Canadian Computing Competition 2024, University of Waterloo
- Sep 2023 **Second Place - Best Hack Built on Replit**, Hack the North 2023
- May 2023 **13th Place Provincially**, Skills Ontario Coding Competition.
- Mar 2023 **Gold Medalist, Board Representative**, Halton Skills Coding Competition
- Nov 2021, 2022, 2023 **High School Coding Contest - 1st Place in 2021, 2022, 2023**, Professional Engineers Ontario (PEO)