

Devansh Goyal

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EDUCATION

Port Credit Secondary School

Mississauga, Ontario
Expected Graduation, June 2025

EXPERIENCE

Port Credit Hack Club President

Mississauga, Ontario
Sep 2024 – Now

- Founded an engineering-concentrated club in my school, securing sponsorship from the Hack Club organization, and forming a committee of committed executives.
- Both planned and successfully delivered weekly hands-on workshops consisting of Web Development, building a ChatGPT clone using OpenAI's API, and breadboard circuit design.
- Substantially improved my instructional skills and fostered a supportive environment encouraging student engagement with engineering concepts.

SWE Intern @ The CoolR Group

Mississauga, Ontario
July 2024 – Sep 2024

- Developed a real-time chatbot using Python, Flask, and a Vector Search API to handle company and product queries, improving user accessibility to business information.
- I gained experience in professional software deployment working as a software engineer intern where I applied my computer science knowledge
- I worked with a mentor where I boosted my web development and Python skills and improved my confidence in seeking feedback in a work-heavy environment.

PROJECTS

TempoBOT @ Shad TMU 2024

Toronto, Ontario
Jun 2020 – July 2020

- Designed the prototype of TempoBot using the Onshape CAD software, an eco-friendly thermostat that cools homes using outdoor air to reduce AC emissions.
- Collaborated with a team to build the final product and pitched it to experienced businessmen, receiving an input on the innovation and feasibility side of things.
- Applied my computing and design skills by contributing to a solution that addresses both the environment and budgeting.

Orange Disease Prediction

Toronto, Ontario
Dec 2024 – Feb 2024

- Used Machine learning knowledge to develop algorithms, and I achieved 97% accuracy in classifying poisonous vs. non-poisonous oranges using a CNN model with TensorFlow libraries and trained on a dataset of 5,000+ images.
- Used image preprocessing and augmentation using OpenCV and NumPy libraries to improve the model.
- Deployed a fully functional web interface using Flask and HTML/CSS, enabling users to upload images in real time and receive toxicity predictions.

ACTIVITIES AND LEADERSHIP

Senior Home Volunteer

Mississauga Ontario
Aug 2024 – Current

- I worked as a dining assistant, where I helped seniors facing dementia, ensuring their dietary demands were met through calm, compassionate communication.
- Collaborated with staff to plan engagement activities on a daily basis; initiated a schedule change to increase karaoke sessions, leading to a positive change in mood and participation.
- Devoted weekly hours to support seniors and developed key interpersonal skills, including patience, active listening, and careful planning, while creating meaningful personal connections.

SKILLS

Programming: Java, Python, JavaScript, HTML/CSS, CAD, Arduino, Tensorflow