

DEV PATEL

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SKILLS

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

Frameworks/Libraries: Flask, SQL, Visual Studio Code, Git, Quanser Labs, React.js, Jupyter Notebook

Other Mechanical Skills: Autodesk Inventor, Onshape

EDUCATION

McMaster University

B.Eng Computer Engineering CO-OP

Hamilton, ON, Canada

Sept 2022 – Apr 2026

- Culminative GPA: 3.93, Dean's Honours List Recipient
- Engineering Award of Excellence Scholarship: Presented to students with a final culminative average of 95% or higher.

EXPERIENCE

Tranzac Cricket Academy

Assistant Coach

Toronto, ON, Canada

Feb 2019 – Present

- Assisted the head coach in facilitating practice and game preparations, encompassing the arrangement of equipment and maintenance of the practice facility
- Provided coaching expertise to a diverse group of students, ranging from ages 5 to 14, and imparting valuable insights on multiple facets of the game.
- Fostered robust connections with both the coach and students through engaging in substantive dialogues and displaying receptiveness towards acquiring new proficiencies.

Saputo Dairy Products

General Picker

Woodbridge, ON, Canada

Jun 2022 – Aug 2022

- Effectively oversaw daily inventory management operations, leveraging physical strength to transfer products from incoming trucks to their designated storage areas.
- Exercised meticulous attention to detail in upholding rigorous food safety procedures to prevent contamination and maintain optimal sterilization standards.
- Facilitated effective communication and collaboration within an interdisciplinary team to ensure seamless coordination and proper placement of incoming stock

Computer Science Club @ Castlebrooke Secondary School

Programming Instructor

Brampton, ON, Canada

Oct 2022 – Jun 2022

- Led weekly Python and HTML/CSS workshops and lessons to 100+ students to prepare them for UWaterloo's CCC
- Worked with teachers and fellow students to host a school-wide hackathon and led weekly coemptions around the school to improve students skills
- Lessons and workshops increased CS grades by 7-14% and increased the points achieved by students in UWs CCC by 25% from previous years

Canada's Wonderland

Merchandise Sales Associate

Vaughn, ON, Canada

Jun 2021 – Aug 2021

- Merchandised new stock to appeal to customers, and grab attention
- Communicated with customers to answer questions, order samples, and resolve issues
- Given a leadership role of managing all the employees and tasks when the primary supervisor was not around

PROJECTS

MyWorkouts (Workout planner Web App) 📄 | HTML/CSS, JavaScript, Python

- Developed a web app that's stores, and logs workouts using Flask backend to manage the app route and process the HTTP requests.
- Utilized the JavaScript Local Storage to manage and store user information as well as tracking progress, the web app was hosted using Heroku.
- Implemented a responsive frontend that uses HTML, CSS, and JavaScript

GetAGrip (Robotic Q-Arm that drops off sterilized containers) 📄 | Python, Quanser Interactive Labs

- Utilized Quanser interactive labs and python to code and test a robotic Q-Arm that accurately picks up, transfers, and drops off a sterilized container based on size and color.
- Utilized functions and python's random module to run various tests on the code to ensure it works for all occurrences

ComfortClick Remote 📄 | C++, Autodesk Inventor

- Developed a personalized remote for individuals with Multiple Sclerosis, that has many functions to provide a more convenient TV viewing experience.
- Using various Arduino libraries, we controlled IR sensors and receivers to input and output correct binary data
- With the use of Autodesk inventor an ergonomic casing was built which in which an anti-slip material was used to help with holding the remote for prolonged periods of time

INTERESTS

Cricket, Theatre (Drama in 10+ years of Cultural performances), Garba (Indian Dance), Hackathons, Basketball, Calisthenics