

Devarshi Patel

devarshi.patel@ryerson.ca • devarshi.me • Github • LinkedIn • (437) 775-2033 • Toronto, CA

EDUCATION

Toronto Metropolitan University

2021 – 2026 | Toronto, Canada

- Honors Bachelor of Science, Computer Science Co-op
- **CGPA** : 4.16 — Dean's List, Ryerson Scholar (\$8000)
- **Relevant Courses** : Data Structures, Object Oriented Java, Linux & C/C++, Computer Organization, Statistics
- **Clubs** : Ryerson Tri-Mentoring Program, Ultimate Frisbee Team

SKILLS

Languages	TypeScript, JavaScript, HTML, CSS, SASS, Java, Python, Bash, SQL
Frameworks & Tools	React, Node, Express, Next.js, TailwindCSS, Bootstrap, Bulma, PostgreSQL, Prisma

PROJECTS

School REST-API [↗](#)

- **Technologies:** TypeScript, Next, Tailwind, Prisma, Postgres, Heroku, Insomnia
- Created a type-safe REST-API to perform CRUD operations on a relational database of students & courses
- Designed database relationships using dbdiagram and implemented it by writing SQL queries in PgAdmin

Poker Monte Carlo Simulator [↗](#)

- **Technologies:** Python, SQLite3, Seaborn, unittest
- Created a Texas Holdem Poker algorithm that evaluates hand probabilities using Monte Carlo Simulation
- Determined accurate hand probabilities across games of varying sizes over span of 10,000,000 simulations
- Performed statistical analysis on the Poker hand frequency distribution visualized using Seaborn

Expense Tracker Web-App [↗](#)

- **Technologies:** React, Redux-Toolkit, Tailwind, Vite, Cypress (E2E)
- Developed a responsive web-app personal budgeting tool that helps keep track of a user's expenses
- Implemented 'sort-by' functionality allowing users to sort transactions by price, date, and category
- Performed application testing by writing Cypress End-to-End (E2E) test cases with Chaijs assertions

Wikiwow (Web-App) [↗](#)

- **Technologies:** Next.js, Axios, Tailwind, Cypress (E2E)
- Built a responsive web-app used to exhibit historical events that occurred on a given month and day
- Implemented the APIs of Wikipedia and Youtube to grab historical data and curate relevant Youtube videos.
- Utilized Cypress to perform React component unit testing and application smoke testing.

DSA Snippets VS-Code Extension [↗](#)

- **Technologies:** JavaScript, JSON, Java
- A JavaScript snippets extension with 50+ installs featuring 65+ Data Structure & Algorithm (DSA) snippets used for sorting, searching, number theory, cryptography, strings, and more
- Interpreted the VS Code API to code the JSON snippets file, document Changelog, and publish to VS Marketplace
- Reduced the snippet formatting stage from 8 minutes to 2 seconds by automating the task with a Java program

PROFESSIONAL EXPERIENCE

Fort York Food Bank

Aug 2022 – present

Operations Volunteer

- Engaged with clients by greeting them and offering assistance in delivering food products as necessary
- Collaborated closely in a team of 4 to sort, stock, and serve 400+ donated goods per shift
- Ensured that unusable food products were properly communicated and replenished.

TMU Faculty of Science

Aug 2022

Frosh Committee Member

- Teamed closely with 14 committee members in planning of Orientation events for 700+ incoming students
- Designed posters aimed at promoting freshman diversity, equity, and inclusion using Canva