

# DEVARSHI PATEL

Toronto, ON, Canada

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## Education

### Toronto Metropolitan University

Sept 2021 – May 2025

*Honors Bachelor of Science in Computer Science*

*Toronto, Ontario*

- CGPA : 4.15 — Dean's List, Ryerson Scholar (\$8000)
- Relevant Courses : Web Development, Data Structures, Operating Systems, Software Tools, Statistics
- Extra Curricular : Algorithms & Coding Club, Ultimate Frisbee Team

## Technical Skills

Languages	Python, Java, C, JavaScript, TypeScript, HTML/CSS, SQL, Go, Elixir, Rust, Bash
Frameworks	React.js, Node.js, Express.js, Next.js, jQuery
Databases	SQLite3, MongoDB, PostgreSQL, Prisma ORM
Interests	Fullstack development, Competitive Programming, Data Structures & Algorithms

## Projects

### Psyyy - Expense Tracker Web App | *React, Redux (Toolkit), Tailwind, Vite, Cypress*

- Developed a responsive personal budgeting web application with sorting features for transaction management.
- Conducted system testing by writing Cypress End-to-End (E2E) test cases with ChaiJs assertions.

### DSA Snippets - VSCode Extension | *JavaScript, JSON, Java*

- Created a JavaScript snippets extension with 175+ installs featuring 65+ Data Structures & Algorithms snippets.
- Interpreted the VS Code API to code the JSON snippets file, document Changelog, and publish to VS Marketplace.
- Reduced snippet formatting stage from 8 minutes to 2 seconds by automating the task with a Java program.

### iStock - Stock Market Simulator | *Java, JUnit*

- Implemented an intuitive terminal interface that streamlined the stock market experience for developers, enabling them to quickly buy & sell stocks, add stocks to watchlist, and view transaction histories through terminal commands.
- Employed a Waterfall approach along with a Gantt Chart for organizing the project, guaranteeing timely completion and compliance with project specifications.

### drake.rest - Drake Quotes Web App | *TypeScript, Next.js, Tailwind*

- Developed a publicly exposed REST-API to serve random Drake quotes & song lyrics from a JSON corpus.
- Designed a modern, user-friendly interface that allows users to shuffle random Drake quotes and share them on Twitter.

### Poker Monte Carlo Simulator | *Python, SQLite3, Seaborn, Unittest*

- Programmed a Texas Holdem algorithm that utilizes Monte Carlo Simulation technique to calculate hand probabilities.
- Conducted statistical analysis on the Poker hand frequency distribution visualized with Seaborn, achieving precise hand probability determinations for games of varying sizes after 10,000,000 simulations.

## Experience

### Peer Mentor - Tri-Mentoring Program

Oct 2022 - Apr 2023

*Toronto Metropolitan University*

*Toronto, Ontario*

- Worked in a network of peer-mentors, advisors, and course staff which supported the academic transition & personal growth of 50+ Computer Science first-years.
- Crafted instructional activities with S.M.A.R.T goals, empowering students in learning specific academic skills while increasing test scores by more than 15% on average.
- Developed personable relationships with students to create a comfortable learning environment, increasing session follow-through by 45%.

### Operations Member

Aug 2022 - Apr 2023

*Fort York Food Bank*

*Toronto, Ontario*

- 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.