Devarshi Patel

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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, OOP in Java, Linux & C/C++, Computer Organization, Statistics
- **Clubs** : Ryerson Tri-Mentoring Program, Ultimate Frisbee Team

SKILLS

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

PROJECTS

Skool (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 DB 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

Psyyy (Web-App) 🔗
- **Technologies:**   React, Redux-Toolkit, Tailwind, Vite, Cypress (E2E)
- Developed a responsive web-app personal budgeting tool that helps keep track of all your expenses
- Implemented 'sort-by' functionality allowing users to sort transactions by price, date, and category
- Performed automated 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 on a given month and day
- Implemented the Wikipedia API to grab historical data and update UI with events listed chronologically
- Curated Youtube videos relevant to an event using a Node Youtube API wrapper

DSA Snippets (VS Code Extension) 🔗
- **Technologies:**   JavaScript, JSON, Java
- A JavaScript snippets VS Code extension with **50+** installs featuring **65+** data structures & algorithms snippets used for sorting, searching, number theory, cryptography, and strings
- Learned 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 **5 seconds** by automating the task with Java

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
- Sorted and stocked 150+ donated goods per shift while routinely discarding inventory
- Ensured that unusable food products were properly communicated and replenished

TMU Faculty of Science   Aug 2022
Frosh Committee Member
- Collaborated with 14 committee members in planning of Orientation events for 700+ incoming students
- Promoted freshman social connection development and assisted with event registrations and sign-ins