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 Java, Web Development, Linux & C, Computer Organization, Statistics
- **Clubs** : Ryerson Tri-Mentoring Program, Ultimate Frisbee Team, Metropolitan Data Science Assc.

SKILLS

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

PROJECTS

Drake Quotes API 🔗
- **Technologies:** TypeScript, Next.js, Tailwind
- Developed a publicly exposed REST-API to serve random Drake quotes & song lyrics from a local JSON dataset
- Designed a beautiful, responsive front-end shuffling random quotes from API with Twitter share embed

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

On-This-Day 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 Wikipedia and Youtube APIs to grab historical data and curate relevant Youtube videos.
- Utilized Cypress to perform React component unit testing and application smoke testing.

VS-Code Snippets Extension 🔗
- **Technologies:** JavaScript, JSON, Java
- A JavaScript snippets extension with 80+ 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 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