DEVARSHI PATEL

Toronto, ON, Canada

📞 +1 437-775-2033 ✉ devarshi.patel@torontomu.ca 🔗 /devarshi-ap ⭘ Personal Projects

Education

Toronto Metropolitan University   **Sept 2021 – May 2025**

Honors Bachelor of Science in Computer Science Co-op   *Toronto, Ontario*

- CGPA : 4.15/4.33 — Dean's List, Ryerson Scholar ($8000)
- Relevant Courses : Web Development, Data Structures & Algorithms, Operating Systems, Software Tools, Statistics
- Extra Curricular : Algorithms & Coding Club, Ultimate Frisbee Team

Technical Skills

Languages	Python, Java, C, HTML, CSS, JavaScript, TypeScript, SQL, Bash, Go
Frameworks	React, Node.js, Express.js, Next.js, jQuery, Cypress
Databases	MySQL, PostgreSQL, SQLite3, Prisma (ORM)
Tools	Git VCS, Tableau, Power Apps, Power BI, Excel

Experience

Software Developer Co-op   **Sept 2023 - May 2024**

Ontario Power Generation Inc.   *Pickering, Ontario*

- Addressed regular production bugs and improvements in **50+** existing SQL database views and procedures using Kanban to prioritize requirements tailored for internal tooling.
- Developed a MS Power Apps solution to automate the live tracking of **12,000+** Station Condition Reports, streamlining managerial workflows and significantly reducing report resolution turnaround time.
- Achieved a **65%** increase in user engagement KPIs by revamping department Sharepoint websites using SPFx dynamic client-side web parts written in React and AngularJS.
- Collaborated with nuclear station stakeholders, utilizing data from internal feedback apps to develop Power BI dashboards identifying improvement opportunities across **50+** station divisions to bolster nuclear worker safety standards.

Peer Mentor - Tri-Mentoring Program   **Oct 2022 - Apr 2023**

Toronto Metropolitan University   *Toronto, Ontario*

- Worked in a network of support staff to facilitate the academic transition & personal growth of **30+** first-years.
- Crafted instructional activities with S.M.A.R.T goals leading to an average increase in test scores by more than **15%.**

Projects

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

- Created a JavaScript snippets extension with **450+** installs featuring 65+ Data Structures & Algorithms code 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 **30 seconds** through a Java automation program.

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.

Wikiwow - "On This Day" Web App | *Next.js, Axios, Tailwind, Cypress (E2E)*

- Developed a responsive web application showcasing historical events for specific dates by integrating Wikipedia and YouTube APIs to curate relevant videos.
- Utilized Cypress to perform React component unit testing and application smoke testing.

Toronto Starbucks Effect Analysis | *Python, MySQL, Pandas, Tableau, Excel, Jupyter*

- Utilized Python for ETL processing of datasets from Starbucks and City of Toronto Open Data, before loading it into a MySQL database for efficient storage and retrieval.
- Leveraged Tableau to create interactive graphs and visualizations, providing key insights on the correlation between Starbucks locations and Toronto neighborhood profiles.