DEVARSHI PATEL

Toronto, ON, Canada

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Education

Toronto Metropolitan University — **Sept 2021 – Aug 2024**

Honors Bachelor of Science in Computer Science Co-op — *Toronto, Ontario*
- CGPA : 3.93/4.33 (90%) — Dean's List, Ryerson Scholar ($8000)

University of Western Ontario — **Sept 2024 – May 2026**

Honors Bachelor of Science in Computer Science — *London, Ontario*
- CGPA : Not Yet Available
- Relevant Courses : Data Structures & Algorithms, Software Design & Arch., Web Development, Operating Systems
- Extra Curriculars : Western Developers Society (WDS), Gujarati Students Assc., Ultimate Frisbee

Technical Skills

Languages	TypeScript, JavaScript, HTML, CSS, Java, Python, SQL, C, Shell
Frameworks & Tools	React, Node.js, Express.js, Next.js, MySQL, MS Power Platform, Tableau
Concepts	APIs (REST), Agile Methodologies (Scrum, Kanban), DBMS, CI/CD

Experience

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

Ontario Power Generation Inc. — *Pickering, Ontario*
- Up-cycled an internal safety event tracking app with React, automating the live tracking of **1,000+** monthly reports and significantly reducing event resolution turnaround time.
- Addressed regular production bugs and improvements in **50+** existing SQL database views and procedures.
- Collaborated with station stakeholders, using data from internal feedback apps to develop dashboards and station health reports identifying improvement opportunities across **50+** station divisions to bolster nuclear worker safety standards.
- Built an interactive website with AI-driven visualizations using Python (Streamlit, Plotly) to display trending data, delivering key insights for reports used in the Canadian Nuclear Safety Commission (CNSC) audit/visit at PNGS.

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.

Projects

DSA Snippets - VSCode Extension | *JavaScript, JSON, Java*
- Created a JavaScript snippets extension with **1100+** installs featuring 65+ Data Structure & Algorithm 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.

NPM Dependency Di-Graph Visualizer | *Vue.js, TypeScript, Jest, Github Actions*
- Built an interactive web app to visualize NPM package dependencies and highlight deprecated packages, helping users understand relationships and manage versions.
- Optimized performance by debouncing API calls using Lodash and applying memoization for recursive graph building.
- Set up automated CI/CD pipeline using GitHub Actions, enabling seamless Jest unit-testing and deployment on Vercel.

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.