

# DEVARSHI PATEL

Toronto, ON, Canada

☎ +1 437-775-2033 ✉ devarshi.ap@gmail.ca 🌐 /devarshi-ap 📄 Github 📁 Portfolio

## Education

### University of Western Ontario

Sept 2024 – Expected Aug 2026

*Honors B.Sc. in Computer Science*

*London, Ontario*

- CGPA: 3.5/4.0 (88%)
- Relevant Courses: Data Structures & Algorithms, Software Design & Arch., Web Development, Operating Systems
- Extra Curriculars: Western Developers Society (WDS), Gujarati Students Assc., Western Ski & Snowboard Club

### Toronto Metropolitan University

Sept 2021 – Aug 2024

*Honors B.Sc. in Computer Science Co-op*

*Toronto, Ontario*

- CGPA: 3.93/4.33 (91%) — Dean's List, Ryerson Scholar (\$8000)
- Extra Curriculars: CompSci Course Union (CSCU) 1st Year Rep., Algorithms and Coding Club (TMACC)

## Technical Skills

Languages	TypeScript, JavaScript, HTML, CSS, Java, Python, SQL, C, Shell
Frameworks & Tools	React, Vue, Node, Express, MySQL, Power BI, Power Automate, Tableau
Concepts	APIs (REST), Agile (Scrum, Kanban), DBMS, CI/CD

## Experience

### Technology Committee - Data & Web Specialist

July 2025 - Present

*North American Young Generation in Nuclear (NAYGN)*

*Remote*

- Redesigned and normalized organizational databases (**36+** tables across membership, events, metrics, and WordPress systems), producing Schema and ER diagrams that improved query efficiency, reduced redundancy, and enabled scalable year-over-year reporting.
- Collaborated with chapter leads to enhance NAYGN's digital presence by building front-end features (PHP, JavaScript, CSS) and applying SEO practices across **100+** assets to boost visibility and engagement.
- Expanded NAYGN's public outreach to **75+** participants by collaborating with the Webinar Committee on student-facing webinars & committee meetings, providing technical support that improved accessibility and engagement.

### Software Developer Co-op

Sept 2023 - Sept 2024

*Ontario Power Generation Inc.*

*Pickering, Ontario*

- Up-cycled an internal safety event tracking app with React to automate the live tracking of **1,000+** monthly station condition reports, reducing event resolution time.
- Addressed 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.

## Projects

DSA Snippets - VSCode Extension — JavaScript, JSON, Java

- Created a VSCode snippets extension with **1,600+** installs featuring **65+** Data Structure & Algorithm snippets.
- Automated snippet formatting from **8 minutes** to **30 seconds** using Java scripts.

NPM Dependency Di-Graph Visualizer — Vue.js, TypeScript, Jest, GitHub Actions

- Built an interactive web application to visualize NPM package dependencies and highlight deprecated packages for better version management.
- Optimized performance via debouncing API calls and memoization for recursive graph building.
- Set up automated CI/CD pipeline with GitHub Actions for seamless unit testing and deployment on Vercel.

Toronto Starbucks Effect Analysis — Python, MySQL, Pandas, Tableau, Excel, Jupyter

- ETL-processed datasets from Starbucks and City of Toronto Open Data into MySQL for efficient storage and retrieval.
- Created Tableau dashboards providing insights on correlations between **185** Starbucks locations and the socio-economic profiles of Toronto's **25** wards.