Devarshi Patel

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EDUCATION

University of Western Ontario — HBSc, Computer Science **Aug 2026 (Expected)**

- CGPA: 3.5/4.0 (88%) — Dean's List
- Relevant Courses: Data Structures & Algorithms, Software Architecture, Computer Networks, Operating Systems
- Extra Curriculars: Western Developers Society, Western Ski & Snowboard Club

Toronto Metropolitan University — HBSc, Computer Science Co-op **Sept 2021 – Sept 2024**

- CGPA: 3.93/4.33 (91%) — Dean's List, Ryerson Scholar ($8000)

SKILLS

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

EXPERIENCE

NAYGN — Data & Web Specialist **July 2025 - Present**

- Redesigned and optimized **36+** membership, event, and metrics databases, creating schema and ER diagrams to improve query efficiency and enable scalable reporting.
- Enhanced digital presence by developing front-end features (PHP, JavaScript, CSS) and applying SEO best practices across **100+** web assets, increasing user 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

Ontario Power Generation Inc. — Software Developer Co-op **Sept 2023 – Sept 2024**

- Up-cycled an internal safety event tracking app using React to automate **1,000+** monthly station condition reports, reducing event resolution time.
- Optimized and refactored **50+** SQL views and stored procedures, resolving production issues and improving data accuracy and query performance across multiple station systems.
- 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 **(VSCode Marketplace) (GitHub)**

- Designed and shipped a VS Code extension delivering **65+** Data Structures & Algorithms snippets, achieving **1,600+** installs and improving developer productivity for interview prep and competitive programming.
- **Technologies:** JavaScript, JSON, Java

Travel Flights Microservices System **(GitHub)**

- Collaboratively architected a travel application using a microservices model, featuring service registry, in-memory caching, load balancing, health checks, and containerized deployment to model industry-scale systems.
- **Technologies:** Python, Flask, React, Docker, MySQL, Redis, AWS EC2

NPM Dependency Di-Graph Visualizer **(GitHub)**

- Engineered an interactive web app to visualize NPM dependency graphs and surface deprecated packages, applying graph traversal, performance optimizations, and automated CI/CD to improve dependency management workflows.
- **Technologies:** Vue.js, TypeScript, Jest, GitHub Actions

Toronto Starbucks Effect Analysis **(GitHub)**

- Delivered a data analytics pipeline and dashboards analyzing relationships between 185 Starbucks locations and socio-economic indicators across 25 Toronto neighborhoods using real-world open datasets.
- **Technologies:** Python, MySQL, Pandas, Tableau, Excel, Jupyter