

Purveshkumar Patel

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EDUCATION

Bachelor of Science Honours in Computer Science

2022-2027

York University

Toronto, ON

Relevant Coursework: Technology Strategy, Data Analysis, Statistics, Software Development Lifecycle (SDLC), Data Visualization, Advanced OOP, AI & Logic Programming, Algorithms and Data Structures.

PROFESSIONAL EXPERIENCE

Technology PMO Intern

May 2026 - Present

Canada Life

Toronto, ON

- Explored and documented complex **business system requirements** across operational units, translating stakeholder needs into actionable framework tracking elements.
- Created and managed structured, comprehensive **test cases and criteria specifications** for the core enterprise Clarity Release to minimize runtime bugs and deployment anomalies.
- Engineered and deployed an automated, high-visibility data reconciliation **dashboard to isolate financial and tracking variances** between Clarity PPM and SAP records.
- Assisted in building, scaling, and maintaining the central **Enterprise Resource Management Dashboard** to systematically improve global resource allocation models.
- Supported end-to-end **project delivery governance tracks**, processing health metrics across engineering paths to ensure critical path targets are achieved.

Data Analyst Co-op

Sep 2024 - Aug 2025

Community Services I&IT Cluster (MPBSDP) | Ontario Public Service

Toronto, Ontario

- Engineered an enterprise-level automated data extraction pipeline, seamlessly **integrating structured data from Planview, the change ticket system, and the incident tracking system** into a unified database environment.
- Designed, optimized, and delivered a high-performance, polished **executive team dashboard** to interpret unified database infrastructure values into interactive, visual KPI metrics for leadership decision-making.
- Collaborated on the modernization of a legacy OSAP application cluster, rewriting outdated infrastructure points from an IBM AS400 setup into modern Java software architectures.
- Led code migrations of legacy tracking modules from .NET environments into scalable framework stacks leveraging Java and AngularJS components.
- Developed robust C# backend API controllers and customized SSIS packages to manage intake streams, validating data integrity to reduce reporting discrepancies.

TECHNICAL & DEPLOYMENT PROJECTS

Live TTC Transit Tracking Website

React, Node.js, REST APIs, SQL

ttc.purvesh.dpdns.org

2026

- * Developed and deployed a live telemetry parsing application tracking transit vehicle schedules and route constraints across regional operations lines.
- * Integrated real-time interactive mapping layers alongside predictive algorithms to isolate routing delays and verify incoming data integrity.

Geospatial Network Site Location Map

JavaScript, Cloudflare, Leaflet.js, ISED API

freedom5gmap.pages.dev

2025

- * Engineered a full-stack, cloud-hosted infrastructure web portal consuming upstream federal ISED spectrum registry files to identify active cellular node sites.
- * Constructed multi-tier filtering logic arrays for custom frequency bands and specific backhaul parameters, serving responsive visualization components.

TECHNICAL SKILLS AND COMPETENCIES

Languages & Architectures: Python (Pandas, NumPy), Java, C#, SQL, JavaScript, C++, C, HTML/CSS, Bash, RESTful APIs

Tools, Platforms & PM Systems: Planview, Clarity PPM, SAP, Jira, Git, Docker, Power BI, MS Visio, Cloudflare, Linux, Excel (Advanced)

Core Domain Competencies: Business Requirements Mapping, Test Case Design, Project Governance, Agile/SDLC, System Integration

Analytical Competencies: Data Warehousing, Dashboard Engineering, Change/Incident Tracking Analysis, Operational Variance Audit