

Shiv Patel

647-575-2970 | sp29pate@uwaterloo.ca | [linkedin.com/in/shiv-patel23](https://www.linkedin.com/in/shiv-patel23) | github.com/patel-23 | shiv-patel.com

EDUCATION

University of Waterloo

Bachelor of Computer Science

Sep. 2022 – Aug. 2027

EXPERIENCE

Capital One

Software Engineer Intern

Incoming Jun. 2026 - Aug. 2026

Dallas, TX

PepsiCo

Software Engineer Intern

Jan. 2026 – Apr. 2026

Toronto, ON

- Owned end-to-end delivery of a value-index tracker built using **Python**, **Spark**, **SQL** and **Databricks** to replace a legacy Excel-based tool, and prepare 20 000+ records for downstream predictive analytics.
- Built UiPath workflows to streamline reporting pipelines and dashboard updates, improving delivery speed by 3×.
- Migrated **UiPath automation agents** from on-prem servers to cloud infrastructure, improving runtime by 250% through parallelization, elimination of legacy dependencies, and use of custom packages.

KPMG

Software Engineer Intern

Jan. 2025 – Apr. 2025

Toronto, ON

- Built scalable, secure **REST API** endpoints using **C#**, **.NET** and **SQL Server** to automate tax exception reporting, handling sensitive financial data at scale and saving 800+ hours annually.
- Designed backend logic leveraging **Azure Functions** and **Blob Storage** with a **Vue.js** front-end to transform **SQL** fund-level data into client-ready financial deliverables, improving data reliability and auditability.
- Upgraded two enterprise **Azure** solutions from **Node.js** from v16 to v22 across **C#** and **Vue.js** stacks, cutting build times by 12% and reducing technical debt.

CIBC Capital Markets

Software Developer Intern

Jan. 2024 – Apr. 2024

Toronto, ON

- Built a full-stack **Java** application with **WebSockets** and **SQL Server** drivers to maintain real time trade book linkages and low-latency daily P&L updates, reducing operational risk and saving 30 minutes per update cycle.
- Architected a **REST API** tool using **Angular** and **Node.js** for **SQL** query execution. Integrated Azure AD authentication to scale access beyond 200 original users, and tested end-to-end with **Postman**.
- Developed a **VBA** Excel Macro to automate API calls and JSON parsing. Macro cut report generation time by 50% and was adopted by 100+ users across the department.

Haleon

Data Analyst Intern

May 2023 – Aug. 2023

Toronto, ON

- Performed price elasticity and customer segmentation analysis using **scikit-learn**, **xgboost** and **Python** to identify optimal price points for key SKUs, boosting revenue for the Advil brand by 8.3%.
- Implemented an **Azure Data Factory CI/CD** pipeline to perform **ETL** and deliver point of sale data from 12 major retailers to Power BI, reducing stock-outs by 75%.

PROJECTS AND INTERESTS

Multiplayer Chess | *C++*, *OOP*

- Built a chess game with four A.I. levels. Implemented MVC, design patterns, and RAII for efficient development.
- Authored both **black-box** and **white-box unit tests** to minimize bugs and improve game quality.

F1 Performance Analysis | *R*, *OpenF1 API*, *Regression Models*

- Built and evaluated multivariate linear regression models in **R** to predict Formula 1 race outcomes using qualifying results, team performance, and weather conditions, including feature engineering and multicollinearity analysis.

Semi-Professional Soccer Referee

May 2022 - Present

- Officiating Canadian semi-professional matches (Ontario Premier League/USL 2), demonstrating **problem-solving**, rapid decision-making, and **clear communication** in fast-paced, high-pressure environments.

SKILLS

Languages: Python, Java, JavaScript, TypeScript, C++, C#, VBA, HTML/CSS, R, SQL

Libraries/Frameworks: scikit-learn, NumPy, pandas, React, Vue, Angular, Node, .NET

Tools: Git, Azure Cloud, Bash, REST APIs, Spark, Databricks, Postman, Docker, MongoDB, Jenkins, Claude, Cursor