

# SHIV PATEL

📞 647-575-2970 ✉ sp29pate@uwaterloo.ca 🔗 linkedin.com/in/shiv-patel23 🌐 github.com/patel-23 🖥 shiv-patel.com

## EDUCATION

### University of Waterloo

Expected 2027

*Bachelor of Computer Science*

**Courses:** Algorithms, Object-Oriented Programming, Data Structures, Computer Architecture, Operating Systems

### Wilfrid Laurier University

Expected 2027

*Bachelor of Business Administration*

## EXPERIENCE

### KPMG

Jan 2025 – Apr 2025

*Software Engineer Intern*

Toronto, ON

- Modernized two core enterprise **Azure** solutions by upgrading **Node.js** from v16 to v22 across **C#** and **Vue.js** stacks, improving build times by 20% and reducing technical debt.
- Built secure **REST API** endpoints in **C#** with **Dapper** and **SQL Server** for reporting system used by high-volume asset management clients, saving 800+ hours annually.
- Designed and implemented backend logic leveraging **Azure Functions** and **Blob Storage** with a responsive **Vue.js** front-end to transform fund-level data from **SQL** stored procedures into client-ready financial deliverables.
- Coordinated among 20 developers in an Agile environment using **Git** and **Azure DevOps** for version control.

### CIBC Capital Markets

Jan 2024 – Apr 2024

*Software Developer Intern*

Toronto, ON

- Architected a **REST API** tool using **Angular** and **Node.js** for **SQL** query execution. Tested with **Postman**. Integrated Azure AD for authentication/authorization, facilitating unlimited user scalability beyond original 200 users.
- Spearheaded the development of an Excel macro using **Visual Basic** to handle API calls and **convert JSON responses** to Excel arrays. Macro was adopted department-wide and decreased report generation time by 50%.
- Programmed a full-stack **Java** application with integrated **WebSockets** and **SQL Server** drivers to maintain organizational unit hierarchies and update daily PnL data, reducing operational risk and saving 30 minutes per update.

### Haleon (GlaxoSmithKline)

May 2023 – Aug 2023

*Data Engineer Intern*

Mississauga, ON

- Performed price elasticity **regression analysis** and customer segmentation through **k-means clustering** using **scikit-learn**, **xgboost** and **Python** to identify optimal price points for key SKUs, driving incremental net revenue for the Advil brand by 8.3%.
- Implemented an **Azure Data Factory** pipeline with **CI/CD** infrastructure. Automated **ETL** processes to deliver point of sale data from 12 major retail businesses to Power BI, resulting in a 75% reduction in time spent on manual updates.

## PROJECTS & ACTIVITIES

### 🌐 Referee TraA.I.ner

React.js | MongoDB | JavaScript

- Developing an intuitive **React.js** chatbot application tailored to help new soccer referees develop by providing in-depth knowledge of the Laws of the Game and by explaining the correct call for subjective game scenarios.

### 🌐 Multiplayer Chess

C++ | OOP | QA

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

### Ontario Soccer

May 2022 – Present

*Semi-Professional Referee*

Waterloo, ON

- Enforcing the Laws of the Game with high attention to detail and consistency by exercising transparent communication, leadership, and conflict management techniques in Canada's semi-professional league, League1 Ontario.

## SKILLS

**Languages:** Python, Java, JavaScript, C#, C++, SQL, HTML/CSS, Racket, Visual Basic, R

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

**Tools:** Git, Azure DevOps, Azure Data Factory, CI/CD, Bash, Unix, REST APIs, Postman, Docker, MongoDB