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 2028**
Bachelor of Computer Science
Courses: Algorithms, Object-Oriented Programming, Data Structures, Computer Architecture, Operating Systems

SKILLS

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

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

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

EXPERIENCE

PepsiCo — **Jan 2026**
Incoming Data Engineer Intern — *Toronto, ON*

KPMG — **Jan 2025 – Apr 2025**
Software Engineer Intern — *Toronto, ON*
- Modernized two enterprise **Azure** solutions by upgrading **Node.js** from v16 to v22 across C# and Vue.js stacks, improving build times and reducing technical debt.
- Built secure **REST API** endpoints in **C#** and **.NET** with **Dapper** and **SQL Server**, saving 800+ hours annually during tax exception reporting.
- 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.
- 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. Integrated Azure AD for scalable authentication/authentication beyond 200 original users, and tested with **Postman**.
- Developed a **VBA** Excel Macro to handle API calls and parse **JSON** to arrays. Macro cut report generation time by 50% and was adopted by 100+ users across the department.
- Programmed a full-stack **Java** application with **WebSockets** and **SQL Server** drivers to maintain trade book linkages and update daily PnL data, reducing operational risk and saving 30 minutes per update.

Haleon — **May 2023 – Aug 2023**
Data Engineer Intern — *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** 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 – Semi-Professional Soccer Referee
- ∗ 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.