SHIV PATEL

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Education

Double Degree

- Bachelor of Computer Science, University of Waterloo
- Bachelor of Business Administration, Wilfrid Laurier University

Work Experience

KPMG

Software Engineer

• Working with C#, .Net, SQL, Vue.js, and Node.js

CIBC Capital Markets

Software Developer

- Architected a **REST API** tool using jsTree, Angular, and Node.js to execute SQL queries. Tested the API using **Postman**. Integrated Microsoft AD for authentication and authorization, facilitating unlimited user scalability compared to a previous limitation of 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 MS SQL Server drivers to maintain organizational unit hierarchies and update daily PnL data, reducing operational risk and saving 30 minutes per update.

Haleon (GlaxoSmithKline)

Data Analyst & Business Intelligence Manager

- Performed price elasticity regression analysis and customer segmentation through k-means clustering using scikit-learn, xgboost and Python, thereby identifying optimal price points for key SKUs, and 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 customers to Power BI, resulting in a 75% reduction in time spent on manual updates.
- Coordinated among an **Agile team** using **Git**, while thoroughly documenting all projects.

Ontario Soccer

Referee

• Enforced 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, Leaguel Ontario.

Projects

Referee TraA.I.ner

- * Developing an intuitive **React.** is 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.
- * Integrating Auth0 for authentication and MongoDB for the database.
- * Engineering a chat bot solution leveraging **Node.** is and the **OpenAI Assistants API**.

Multiplayer Chess

- * Built a multi-player C++ chess game with a command-line interface and X11 graphics with four AI difficulty levels.
- * Implemented OOP practices such as polymorphism, 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.

Technical Skills

Languages: Python, JavaScript, C, C/C++, SQL, Java, HTML5/CSS, Racket, Visual Basic, R Libraries: scikit-learn, NumPy, pandas, React.js, Vue.js, Node.js, Angular Tools: Git, Azure DevOps, Azure Data Factory, Bash, Unix, REST APIs, WebSockets, Postman, Docker, MongoDB

Toronto, ON

Jan 2025 – Present

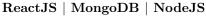
May 2023 – Aug 2023

May 2022 - Present

Waterloo, ON

Mississauqa, ON

C++ | OOP | QA



2022 - 2027

Jan 2024 – Apr 2024 Toronto, ON