

Jenish Bharucha

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EDUCATION

Wilfrid Laurier University

September 2022 – April 2027

Bachelor of Business Administration and Bachelor of Science in Computer Science,

Concentration in Machine Learning / Artificial Intelligence and Finance

- **Courses:** Object Orientated Programing (A), Algorithm, Data Structures II (A+), Artificial Intelligence (B), Quantum Computing (A-)

TECHNICAL SKILLS

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

Frameworks & Libraries: .NET, React, Node.js, Flask, PyTorch, TensorFlow, Pandas, NumPy, Matplotlib, Detectron2, Langchain

Developer Tools: Docker, Git, CI/CD pipelines, REST APIs, VS Code, Eclipse, AWS, Power BI, Office Suite, G-Suite, Atlassian, AW

Core Competencies: Machine Learning, Web & App Development, Automation, Data Visualization, API Integration

Soft Skills: Collaboration, Communication, Analytical Thinking, Problem Solving, Time Management, Leadership, Initiative, Organizational Skills

EXPERIENCE

Junior Software Developer

September 2025 – December 2025 | Mississauga, ON

MAD Elevator Inc

- **Developed** and maintained enterprise **C# and .NET applications**, implementing new features and fixing performance bottlenecks to improve reliability and usability for internal and client-facing systems.
- **Built** responsive front-end interfaces with **JavaScript, React, and Node.js**, delivering modern, user-friendly web components that enhanced customer experience and system accessibility.
- **Designed** and deployed a **Python** application integrating a local **Large Language Model (LLM)** to auto-generate developer documentation, reducing manual effort and improving documentation consistency across projects.
- **Improved** code quality by implementing unit tests, debugging workflows, and following best practices in software design and version control (**Git**).
- **Leveraged** AWS cloud infrastructure (**EC2, S3, Lambda, Bedrock**) to automate internal software documentation and data workflows, reducing manual processing time by **40%** and improving cross-team accessibility to project data.
- **Collaborated** with senior developers and cross-functional teams in an **Agile** environment, contributing to code reviews, sprint planning, and system design discussions while also assisting in maintaining **CI/CD pipelines** to streamline deployments and improve release reliability.

Data Analyst

January 2025 – April 2025 | Toronto, ON

Alcohol and Gaming Commission of Ontario

- Developed custom **VBA macros in Excel** to automate high-volume data entry and cleaning tasks, enhancing efficiency, and minimizing human error across multi-year datasets.
- Worked on **dynamic Power BI-style dashboards** and generated data-driven PowerPoint reports by integrating cleaned data via automated scripts, enabling executive-level insights.
- Engineered end-to-end data processing pipelines using advanced **Excel logic (pivot tables, VLOOKUP, nested Ifs, SQL)**,

Junior Software Developer

May 2024 – December 2024 | Burlington, Canada

Pro Funds Mortgages

- Innovating, coding, and testing a software solution using **Python, SQL** and **VBA** to **optimize task efficiency by 90%** and refining operational **productivity** across the organization.
- Leading the website development of **2 websites** for Pro Funds focusing **system implementation** and designing **user-friendly interfaces** and implementing HTML, CSS, JavaScript including React.js and server-side logic, providing a **quality user experience**.
- Ensuring smooth functionality and performance for user experience by supporting business operations and **client interactions**, while focusing on **back-end development** with **Python and Java**, and **front-end development** using **React, Angular**, and API integration.

PROJECTS

Air Math Calculator | Python

May 2025 – May 2025 | Waterloo, Canada

Real-Time Finger Tracking and Math Recognition

- **Developed** a real-time fingertip tracking system using **OpenCV and MediaPipe**, enabling users to write **math expressions in the air** and **visualize** them on a virtual canvas, and automated math problem-solving by **integrating image capture and OpenAI API**.
- **Implemented** gesture-based logic to distinguish between writing and idle finger positions, reducing false positives by **80%** and increasing input precision through extended finger recognition.

Personal Website | HTML, CSS, JavaScript

April 2024 – present | Waterloo, Canada

www.jenishbharucha.ca

- Utilizing **HTML, CSS**, and **JavaScript**, created a responsive and visually appealing platform that showcases personal projects and professional capabilities, enhancing presence and user engagement.

Stock Predictor | Python, HTML

April 2024 – June 2024 | Waterloo, Canada

AI and LSTM Machine Learning

- Analyzed historical data and macroeconomic indicators, resulted in a predictive **accuracy of 85%**, through implemented machine learning models and integrated data. Also incorporated **Python libraries** for data fetching, preprocessing, and model training.
- Focused on **debugging** logic and syntax errors using **Visual Studio Code** and leveraged tools like **Yahoo Finance API** and **Matplotlib** to improve predictive model **accuracy to 85%**, while integrating webpage interaction through **Flask**.