Jenish Bharucha

647-922-5368 | bhar0304@mylaurier.ca | Toronto, Ontario | /in/jenish-bharucha-9046a4203/ | github.com/jenishb17 | jenishbharucha.ca

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

Languages: Python, Java, C/C++, C#, VBA, SQL, R, HTML, CSS, JavaScript, Angular, TypeScript, Scikit, and TensorFlow
Frameworks: React, Flask, WordPress, Node.js, PyTorch, Pandas, NumPy, Matplotlib, CI/CD, .NET,
Developer Tools and Libraries: Docker, Microsoft Office Suite, Google Suite, Power BI, Eclipse, VS code, GitHub,
Hard Skills: Machine Learning, Web & App Development, Automation, Data Visualization, API integration, Detectron 2
Soft Skills: Collaboration, Time Management, Problem Solving, Analytical thinking, Organizational skills, Communication, Leadership and Initiative.

EXPERIENCE

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),** facilitating scalable trend analysis across four years of regulatory data.
- Collaborated with senior analysts to validate and normalize operational data, ensuring consistency across reporting tools and enabling integration with other internal **software** systems.

Junior Software Developer & Data Analyst   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.
- Managed and analyzed **over 50 financial documents**, including **cash flows** and **balance sheets**, using **Power BI** for data visualization, and executed financial analyses and market evaluations, contributing to a **$10 million brokerage deal,** and enhancing **client returns** through data-driven investment recommendations.

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, improving accessibility for visually impaired users.
- **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.
- **Automated** math problem-solving by **integrating image capture and OpenAI API**, enabling users to receive immediate audio-based solutions, enhancing interactive learning and inclusivity.

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**.

CERTIFICATIONS

Meta Back-End Developer Professional Certificate   Toronto, ON | June 2024 – July 2024
Meta
- **Developed** key back-end technologies and concepts, including **AWS**, **Node.js API integration**, **Python programming**, and **web architecture** through Meta's certification program, gained proficiency in the **Software Development Life Cycle** (SDLC), **CI/CD** and **web design**, and basics of **MVC MVVM and MVP,** while equipping the skills to generate and maintain **server-side applications**.