Priyanshu **Bhatt**

Software Developer · Web Developer

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Education

University of Waterloo — *Waterloo, ON*

Bachelor of Software Engineering — *April 2027*

- President's Scholarship of Distinction Award & OPEF Scholarship - **Awarded $3500**
- Relevant Courses: CS 137 (**Programming Principles**), SE 101 (**Intro to Methods Software Eng**), CS138 (**Data Abstraction and Implementation**)

Skills

Technologies Azure, Flask, Tornado, React.JS, Node.JS, Selenium, Git, Github, Netlify, Firebase, Raspberry Pi, OpenCV, Figma, Tesseract

Programming Python, C, C++, SQL, Java, JavaScript, TypeScript, HTML5, CSS3, Scala, LaTeX

Technical Projects

Facial Recognition Glasses — *Waterloo, ON*

— *September 2021*

- Architected custom augmented reality glasses with facial recognition capabilities with **97%** accuracy.
- Navigated **Linux OS** on **Raspberry Pi** and managed memory specifications to create efficient facial recognition environment.
- Implemented **OpenCV** image processing to allow for continuous live video capture analysis which allowed implementation of **facial recognition**.
- Created a fully functional **Python web server** with the use of **Flask** to allow users to upload a photo.
- Utilized Spotipy, this supports all features of **Spotify Web API** in order to create user-based playlists.
- Composed the **front-end** with **HTML, CSS** and **JavaScript** in which the client asks the user to browse for a file, then the client sends a request to the **back-end** side of the server; formed with Python and Tornade, where the file is accepted and saved.
- Displayed website content by storing, processing and delivering web pages up-to a total of **75 users**.

Shoe Availability Program — *Waterloo, ON*

— *July 2021*

- Developed a **Python** project designed to assist individuals purchase limited availability stock.
- Optimized solution for recurring **15+ people** attempting to purchase shoes that tend to be out of stock.
- Implemented various classes provided by **Selenium** to navigate through a website and add a pair of shoes to the cart in under **11 seconds**.

Tic Tac Toe Game — *Waterloo, ON*

— *July 2021*

- Designed a Tic Tac Toe game using **Java** with a realistic **front-end GUI**.
- Utilized **Object Oriented Programming** such as **class methods** and **attributes** to develop the game logic.
- Deployed **Test Driven Development** to add an algorithmic **AI** option to improve **user experience**.

Work & Leadership Experience

Health Care Systems R&A Inc. — *Mississauga, ON*

Machine Learning Developer, Co-op — *May 2023 - Present*

- Implemented and approved machine learning models for application, including ongoing analysis of patient data to detect underlying conditions, utilizing **Python** for implementation.
- Processed and cleaned additional data for the app to support the machine learning models.
- Collaborated with a multidisciplinary team in the application's development, engaging in daily meetings to discuss progress, and challenges, and coordinate efforts.
- Implemented **Graph Neural Networks** and **Long Short-Term Memory** models for advanced data analysis, enabling effective pattern recognition and predictive modeling in complex data-sets, while achieving a remarkable **42%** increase in efficiency.

Gore Mutual Insurance — *Cambridge, ON*

Software Engineer, Co-op — *May 2022 - December 2022*

- Collaborated on a team of **4** to create effective solutions for sudden problems.
- Organized and prioritized tasks to complete assignments in a timely, efficient manner.
- Assisted in creating and testing a Desk Reservation Service using **APIs, TypeScript, Azure,** and **DevOps** which increased efficiency by **23%**.

Jacob Hespeler Secondary School — *Cambridge, ON*

Tutor — *September 2019 - June 2021*

- Tutored **25+ students** in various courses: **Coding**, Advanced Functions, Calculus, Physics, Chemistry and English.
- Assisted students understand **coding fundamentals** of **Python**, **Java**, **C**, and walked through practice problems to get a grasp of the concepts.
- Guided and provided students assistance to **implement** that knowledge into projects of their own.
- Created student-specific learning plans in order to **manage time** for certain tasks.