

# Aditya Patel

Windsor, ON

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## TECHNICAL SKILLS

**Languages:** Python, JavaScript, Typescript, Java, C, C++, Lua, MySQL, PHP, Rust

**Developer Tools:** Git, Firebase, Google Cloud Platform, Supabase, AWS

**Libraries and Frameworks:** React.js, Tailwind CSS, Three.js, Node.js, pandas, NumPy, Matplotlib, Scikit-learn

## EDUCATION

**Bachelor of Computer Science, Honours Computer Science**

Sep. 2023 – Apr. 2027

University of Windsor

Windsor, ON

- Minor in Mathematics, Minor in Entrepreneurship

## EXPERIENCE

**Software Development Intern**

Jan. 2024 – Apr. 2024

Glendor, Inc

Remote

- Utilized local LLM models to redact personal information in medical documents, achieving 99% accuracy.
- Designed automated scripts in Python to systematically evaluate model performance, reducing manual validation time by over 20 hours.
- Generated custom data using Python to test LLM accuracy, ensuring robust evaluation across 500+ files.

**Teaching Assistant**

Sep. 2024 – Apr. 2025

University of Windsor

Windsor, ON

- Lead lab sessions to consolidate course content for 70+ students each week while refining communication skills.

**Programming Lead**

Nov. 2021 – Jun. 2023

FIRST Robotics Team 4903

Windsor, ON

- Engineered swerve drive and autonomous mode, enhancing robot performance with PID tuning and elevating team to top 130 from top 2000 globally.

## PROJECTS

**Datarai** | React, Firebase, Tailwind CSS, Git, Google Cloud Platform, Node.js, Express.js, Render

2025

- Developed a full-stack website that enables users to analyze large datasets, perform bulk data processing, and generate intelligent visual reports.
- Built a scalable back-end using Node.js and Firebase, integrating APIs for seamless data retrieval, processing, and workflow automation.
- Implemented AI-driven analytics and predictive insights using Gemini API, allowing automatic decision-making and enhancing user interaction with data.

**Chop Chop** | React, Vite, Firebase, HTML/CSS, Git

2025

- Engineered a full-stack study tool within 30 hours, optimizing for user engagement and seamless usability.
- Designed and implemented a robust Firebase-powered back-end, integrating eight core features to enhance functionality.
- Learned and applied back-end system design principles in under 2 hours, demonstrating adaptability and problem-solving under pressure.

**Orrery, Or Are We?** | Three.js, TypeScript, Vite, Firebase, HTML/CSS, Git

2024

- Developed an interactive 3D web-based orrery that visualizes real-time orbital simulations using NASA datasets for accurate trajectory modeling.

**Remora** | Python

2023

- Developed an interpreted programming language with functions and simple data types such as arrays and strings.
- Exposed to the inner workings of basic programming languages, lexing, parsing, interpreting and executing.

## LEADERSHIP

**Naval Warfare Officer**

Jan. 2024 – Present

Royal Canadian Navy

In-Person Part-Time

- Appointed Divisional Officer tasked with supervising a team of 10 members.
- Handle administration for members, facilitating training and career progression as well as performing additional duties including recruitment, organizing training events and creating unit level policies.