

# ADITYA PATEL

Windsor, ON, CAN

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## EDUCATION

**Bachelor of Computer Science, Honours, Minor in Mathematics**

University of Windsor

Sep. 2023 – Apr. 2027

Windsor, ON

## TECHNICAL SKILLS

**Languages:** Python, JavaScript, Typescript, Java, C, C++, Lua, SQL, 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, WPILib

## EXPERIENCE

**Software Development Intern**

Glendor, Inc

Jan. 2024 – Apr. 2024

Remote

- Utilized various LLM's and Python to detect and censor personal health information in medical documents
- Automated model analysis by evaluating unique model outputs using Python, saving 20+ hours of manual analysis
- Wrote scripts to create test data and ground truths for 500+ files using Python and Faker for LLM analysis

**Teaching Assistant**

University of Windsor

Sep. 2024 – Apr. 2025

Windsor, ON

- Ran labs to consolidate course content and provided valuable feedback and assistance to 70+ students each week

**Programming Lead**

FIRST Robotics Team 4903 @ Vincent Massey Secondary School

Nov. 2021 – Jun. 2023

Windsor, ON

- Programmed a personalized swerve drive library implemented with C++ and a custom driver dashboard implemented with React
- Improved the robot's scoring capability by 250% with P.I.D. tuning and software optimizations

## PROJECTS

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

2025

- Developed a AI-powered full-stack web app that allows users to chat with and visualize their data
- Implemented a low latency back-end server written with Node.js and Axios for API calls
- Used industry-standard design concepts to create a smooth and functional front-end

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

2025

- Created an engaging full-stack study tool for a hackathon in 30 hours
- Learned the basics of good back-end systems design in under an hour and applied it in the project
- Designed a complete back-end using Firebase's Real-time Database and integrated it for every feature using React Context hooks

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

2024

- Simulated real-time planetary and asteroid orbit by leveraging NASA's datasets

**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

## OTHER WORK EXPERIENCE

**Naval Warfare Officer**

Royal Canadian Navy

Jan. 2024 – Present

In-Person Part-Time

- Appointed Divisional Officer tasked with supervising a team of 10 members
- Handle administration for members as well as facilitating training and career progression
- Perform additional duties including recruitment, organizing training events and creating unit level policies
- Engage in training exercises to consolidate skills such as search and rescue, navigation, and leadership