# Aditya Patel

adityapatel0905@gmail.com | Website: apatel.xyz | LinkedIn: aditya-patel52 | Github: Champion2005

## EDUCATION

**Bachelor of Computer Science, Honours, Minor in Mathematics**      Sep. 2023 – Apr. 2027
*University of Windsor*      *Windsor, ON*

## EXPERIENCE

**Software Development Intern**      Jan. 2024 – Apr. 2024
*Glendor, Inc*      *Remote*
- Utilized Meta's Llama AI and Python to detect and censor personal health information in medical documents
- Wrote scripts to create test data and ground truths for 500+ files using Python and Faker
- Automated model analysis by evaluating unique model outputs using Python, saving 50+ hours of manual analysis

**Teaching Assistant**      Sep. 2024 – Apr. 2025
*University of Windsor*      *Windsor, ON*
- Ran labs to consolidate course content and provided valuable feedback and assistance to 100+ students each week
- Regularly tutored students on topics such as Boolean Algebra, KMaps, Adders/Subtractors, and Multiplexers

**Programming Lead**      Nov. 2021 – Jun. 2023
*FIRST Robotics Team 4903 @ Vincent Massey Secondary School*      *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 PID tuning and software optimizations

## PROJECTS

**Chop Chop** | *React, Vite, Firebase, HTML/CSS, Git*
- Created an engaging fullstack study tool using React and CSS in 30 hours
- Designed the entire backend using Firebase's Realtime Database and anonymous users
- Integrated the frontend and backend efficiently within hours for every feature using React Context hooks
- Maintained principles of good UI/UX design and created the flashcard feature as well as the leaderboard

**Remora** | *Python*
- Developed an interpreted programming language using Python
- Exposed to the inner workings of basic programming languages, lexing, parsing, interpreting and executing
- Implemented features include functions and simple data structures such as arrays and strings

**Orrery, Or Are We?** | *ThreeJS, TypeScript, Vite, Firebase, HTML/CSS, Git*
- Visualized real-time planetary and asteroid orbit by leveraging Three.JS and Typescript

**EcoWatch** | *React, Vite, Firebase, Tailwind CSS, Git*
- Developed a social networking app that inspires community-oriented environmental activism
- Utilized Firebase, React and Tailwind to implement user authentication and accessible UI/UX
- Included features are local community discovery, community feed, community challenges and goals

## TECHNICAL SKILLS

**Languages**: Python, Java, C, C++, JavaScript, Typescript, Lua, SQL, PHP, Rust
**Developer Tools**: Git, Github, Firebase, Supabase, VS Code, PyCharm, IntelliJ
**Libraries**: React, Tailwind CSS, ThreeJS, pandas, NumPy, Matplotlib, Swing, WPILib

## OTHER WORK EXPERIENCE

**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 as well as facilitating training and career progression
- Perform additional duties including recruitment, organizing training events and creating unit level policies
- Engaged in training exercises to consolidate skills such as search and rescue, navigation, and leadership