Aahana Patel
Canadian Citizen

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Education

Stephen Lewis Secondary School　　　　　　　　　　　　　　**2023 - 2027**
Secondary School Diploma (OSSD)

- Courses: Math, Science, English, History, Computer Engineering, Robotics and Control Systems, Computer Science, Business

Experience

CARAIO Technologies　　　　　　　　　　　　　　**Feb 2025 - April 2025**
AI Intern　　　　　　　　　　　　　　*Remote*

- Working as an AI intern for a medical technology startup based in Berkeley, California

The Knowledge Society　　　　　　　　　　　　　　**Sept 2024 - Present**
Innovator　　　　　　　　　　　　　　*Toronto, Ontario*

- Published an article on Medium about 3D rendering techniques, and compared NeRFs and Gaussian Splatting
- Created an augmented birthday card using Swift and Apple's ARKit
- Consulted for IKEA during a challenge, and placed top 20 globally

FRC 1285　　　　　　　　　　　　　　**Oct 2024 - Present**
Mechanical and Programming Member　　　　　　　　　　　　　　*Mississauga, Ontario*

- Doing assembly, manufacturing, and programming for the 1285 Reefscape robot
- Assembling the field elements for robot testing

AI Encounters: Past, Present, Future　　　　　　　　　　　　　　**Sept 2024**
Speaker　　　　　　　　　　　　　　*Waterloo, Ontario*

- Spoke about spatial computing at the Ken Seiling Waterloo Region Museum
- Covered topics such as AI, AR/VR and Gaussian Splatting

Headstarter AI　　　　　　　　　　　　　　**Aug 2024 - Sep 2024**
SWE Fellow　　　　　　　　　　　　　　*Mississauga, Ontario*

- Worked with Clerk and Stack to develop quick and reliable user authentication
- Developed CI/CD pipelines for multiple projects through Vercel to ensure users receive prompt updates
- Integrated OpenAI into multiple projects to generate flashcards and chat-bot replies
- Created dynamic and digestible front-end using HTML, CSS, React, and JavaScript
- Completed several mock technical interviews with an AI interviewer

Hack The North　　　　　　　　　　　　　　**Sept 2024**
Hacker　　　　　　　　　　　　　　*Waterloo, Ontario*

- Worked on a social media app for academia to minimize distractions and noneducational content
- Networking with industry professionals from the Sponsor Bay

Technical Skills

Languages: JavaScript, Java, Python, HTML/CSS, Arduino, Swift, Typescript
Developer Tools/Software: Firebase
Technologies/Frameworks: Git, React, Node.js

Projects

Augmented Birthday Cards | *ArKit, Swift*　　　　　　　　　　　　　　**2024**

- Created an augmented birthday card that displays an augmented card/animation on top of the anchor image
- Reducing environmental impact from paper cards by transitioning to a digital alternative

Article on NeRFs vs. Gaussian Splatting | *AR/VR, 3D Rendering Techniques*　　　　　　　　　　　　　　**2024**

- Wrote and published an article comparing 3D rendering techniques such as Neural Radiance Fields and Gaussian Splatting

AI Flashcards | *JavaScript, OpenAI, Vercel*　　　　　　　　　　　　　　**2024**

- Created an AI flashcard generator app that creates flashcards for academic use to help students with studying