

# 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 - Present

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, Python, HTML/CSS, Arduino, Swift

**Developer Tools/Software:** Firebase

**Technologies/Frameworks:** Git, React

## 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