

# Mihir Seth

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## EDUCATION

### University of Waterloo

*Bachelor of Applied Science in Computer Engineering, Co-op*

Waterloo, ON

*Sept. 2023 –*

## EXPERIENCE

### Internship

*DotPe*

Aug. 2021 – Sept. 2021

*Gurgaon, Haryana, IND*

- Used image manipulation and OCR to authenticate and record the customers government identifier (passport, social security card, tax card etc.) while employing Python with specific tools like pytesseract, cv2, NumPy, among other tools

## PROJECTS

### Sign Language Detection | *PyTorch, Python, OpenCV, MediaPipe*

November 2023 – December 2023

- Used PyTorch along with OpenCV to develop an Deep Learning Algorithm which can detect ASL
- Allows Deaf and the Mute, to converse over the internet on Video Calls amongst other advantages. .

### Helpinhands | *JavaScript, React JS, Firebase, Firestore, HTML/CSS*

May 2022 – August 2022

- Created a donation website, to facilitate non-monetary donations in small and mid-sized NGOs
- Developed a full-stack web application using React JS as the frontend, and Firebase as the backend
- Added 2 mid-tier NGO's and 500 users
- Hosted on the internet using Firebase

### MediRemi | *Flutter, Dart, Firebase*

May 2020 – September 2020

- Made a healthcare app, which allows users to receive periodic reminders for medicines, doctors appointments etc.
- Developed a full-stack mobile application using Flutter as the frontend, and Firebase as the backend
- Published app to the Google Play Store

## EXTRACURRICULAR

### UW Formula Electric

*Firmware Team Member*

Sept. 2023 –

*Waterloo, ON*

- As part of the firmware team, I learned how to work with embedded systems in C
- Gained knowledge in the software-system integration is large and complex projects encompassing electrical, mechanical and other aspects.
- Developed and executed multiple tests to assess the reliability of the system. This allowed me to gain an understanding into the working of the underlying code. .

### Ideated and implemented an Annual Hackathon

*Pathways School Gurgaon*

Aug. 2022 – Sept. 2022

*Gurgaon, Haryana, IND*

- Ideated, created and successfully pitched to the faculty to integrate hackathon and film-making into an inter-school event hosted by my school . Orchestrated the event by crafting the plan, coordinating invitations and skilfully delegating responsibilities, resulting in participation of over 15 schools and more than 100 students. Additionally, played a significant role in the post event magazine curation.

### UofT Hacks

*Team Member*

Feb. 2022

*Online*

- Created a mental health website during COVID using React JS with fellow participants from across the globe, facilitating emotion management and providing users with basic psychotherapeutic guidance; added data authentication, queries and React Hooks.

## TECHNICAL SKILLS

**Languages:** JavaScript, Python, HTML/CSS, Dart, C/C++, Java

**Frameworks:** React JS, Node JS Flutter, Redux, Flask

**Developer Tools:** Git, VS Code, Android Studio, Firebase/Firestore, Raspberry Pi, STM 32

**Libraries:** NumPy, pytesseract, OpenCV