

# Varsha Prasad

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**Technical Skills:** Python, C#, HTML, CSS, JavaScript, React.js, Arduino, MATLAB, R, UI/UX Design(Figma), Photoshop, DaVinci Resolve

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## Experience

### **The Knowledge Society – 2nd Year**

*September 2020 – Present*

- 10-month human accelerator program that provides exposure to emerging technology and mindsets for success
- Provides mentorship and global community of students and alumni
- Opportunities like hackathons and challenges that provides real-world experience

### **UC Irvine BioRobotics Lab – Intern**

*July 2021 – Present*

- Helped code a robot that measures ankle proprioception by a criss-cross test using C#
- Learned how to read research papers efficiently and perform a literature review
- Performed an Event-Related Potential(ERP) study to find a correlation between ankle movement and brainwaves

### **University of Waterloo – Research Assistant**

*May 2021 – Present*

- Evaluating the processes used in the Chicago Police Department, Bureau of Detectives' Area Technology Centers; support centers that acquire and process digital evidence on a team led by Prof. McKay (UW)
- The team is using a combination of qualitative methods and data analytics (processing historical case data) to better understand the contribution of the centers in solving cases

## Projects

### **Instacart Consulting Challenge**

*Dec 2020*

- Delegated tasks and led a team of 4 as Project Manager
- Understood how to improve the shopping experience for individuals using the service Instacart
- Created a slide deck that showcased problems and a proposed solution
- Created complete UI/UX mock-ups for an improvement of Instacart's website using Figma

### **Creating a Neurofeedback Program to Enhance Meditation**

*April 2021*

- Used OpenBCI Ganglion Board and a headset I created to detect different brain states with python and the library Brainflow
- Uses auditorial feedback to influence users during meditation sessions

### **TKS Moonshot Hackathon**

*May 2021*

- Delegated tasks and led a team of 3 as Project Manager
- Researched a pill that uses nanobots to transport and aid areas with nerve damage with a specific family of serotonin to create an article, video and website
- Pitched and received feedback for ideas from VCs and CEOs

### **Positive and Negative Emotion Recognition**

*May 2021*

- Learned ML through datacamp.com and did a few start projects with guides(ex. clothes classification)
- Used TensorFlow to run an ML model to do binary classification on a Kaggle dataset`

## Education

**International Baccalaureate High School Student** – St.Francis Xavier Secondary School

Sept 2019 - expecting June 2023