# Sohini Kar

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## Education

### Massachusetts Institute of Technology

**M.Eng. Electrical Engineering and Computer Science** (Artificial Intelligence)  Feb 2022 - May 2023
**S.B. Computer Science**, Minor: Brain and Cognitive Science          August 2018 - December 2021

## Skills

**Computer Languages:** Python, Java, Matlab, Julia, LaTeX, Typescript, HTML, CSS, Javascript, C++
**Technologies:** Tensorflow, Numpy, PyTorch, Arduino, ReactJS, Vue.js, Flask, Firebase, Figma
**Languages:** English, Bengali, Spanish, Russian

## Experience

**Microsoft**                                                                                  Redmond, WA
*Software Engineering Intern, Augmentation Loop*                    *June 2022 – September 2022*
- Upcoming return internship

**MIT Sloan School of Management**                                              Cambridge, MA
*Research Assistant*                                                        *February 2022 – June 2022*
- Work under John J. Horton on various projects involving crowdsourcing and human behavior
- Used HTML/CSS/Javascript to develop and deploy experiments on Amazon Mechanical Turk

**Microsoft**                                                                                  Redmond, WA
*Software Engineering Intern, Augmentation Loop*                       *June 2021 – August 2021*
- Developed web application for using Microsoft intelligence services, including text insights
- Built full stack application using Vue.js and Typescript, designed frontend using Figma

**Confluent**                                                                              Mountain View, CA
*Backend Software Engineering Intern, Tools Team*                      *May 2020 – August 2020*
- Created web application to pull organization event data from GitHub to post to Kafka cluster
- Used GitHub Apps to post event data to REST API endpoint, authenticated and pushed payloads to appropriate Kafka topics using Python

**NASA Jet Propulsion Laboratory**                                           Los Angeles, CA
*Software Engineering Intern, Search Team*                            *June 2019 – August 2019*
- Developed a tool to find similar images based on image features and page context using Python, OpenCV, and Tensorflow, used Scrapy to scrape and index images into Elasticsearch
- Created image search engine front-end using React.js to query for images from Elasticsearch cluster with 10,000+ images for use by 6,000+ people at JPL

## Leadership and Awards

**Campus Involvement**: President of UI/UX @ MIT, Marketing Chair for AI @ MIT, Director of Technology for MIT Model UN, College of Computing Student Advisory Group
**Awards and Membership:** Rewriting the Code Fellow, Facebook Above and Beyond Computer Science, Figma Award at hACCESS 2020, Best Domain at Hack Girl Summer 2020