



# MEHUL ARORA

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## EDUCATION

### Stanford University

B.S. Computer Science  
Class of 2023

### Relevant Coursework:

- CS 106B: Programming Abstractions  
*Autumn 2019*
- CS 107E: Computer Systems from the ground up  
*Winter 2020*

## SKILLS

C++



Python



Arduino



JavaScript



LaTeX



HTML/CSS



R



## ACTIVITIES

### Stanford Students Space Initiative (SSI)

*Webmaster*

December '19 - Present

### Stanford Students Space Initiative (SSI)

*Co-lead, Balloons Launch Ops*

November '19 - Present

### XINO - School Computer Club

*President*

May '18 - May '19

### School Senate

*Head Boy*

May '18 - May '19

*Vice Head Boy*

May '17 - May '18

## SELECTED PROJECTS

- **Abridge** - AngelHack '18  
Developed Web platform in Python to takes notes seamlessly from speech with a 3-member team.
- **MosquitoLoon**  
Stanford Space Initiative in collaboration with Prakash Lab tp fly mosquitos to low altitudes on a balloon to study their morphology  
Developed an imaging algorithm in Python using a Raspberry Pi camera module.
- **Hindi Scrabble Anagrammer Web Application**  
Developed web application in JavaScript to provide education to children devoid of resources.

- **ScreenHealth**

A Chrome Extension to remind the user to take care of their health while working on a screen for long durations. Provides useful information like time and weather on the new tab.

- **Pairfect**

(Under development) Console based C++ application to generate pairings for each round of scrabble tournaments.

## HONORS

- *Qualifier*, Indian National Olympiad of Informatics '17-'18
- *National Rank 2*, SouthEast Asian Mathematics Olympiad '17-'18
- *#21 ('17), #22 ('18)* World Youth Scrabble Championship
- *Scholar*, National Talent Search Examination '16-'17
- *Scholar*, Kishore Vigyaan Protsahan Yojana '17-'18

## RESEARCH

- **Realizing a Microprocessor as a Particle Sensor**  
Participant, CERN Beamline for Schools
- **Space Settlement Design Competitions**  
Honorable mention, NASA AMES SSDC '16.  
1st runners-up, Asian Regional SSDC '15.

## WORK EXPERIENCE

### EduTech Foundation

*Head of Operations*, September '18 - May '19

*Course Mentor*, May '17- September '18

- Created courses about the operation of basic technology in Hindi
- Introduced the concept of "Edutainment" for effective learning.