



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/C++



Python



Arduino



JavaScript



LaTeX



HTML/CSS



R



Technologies/Frameworks

Git · Linux · Django · Flask · ReactJS

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**
Console based C++ application to generate pairings for rounds of scrabble tournaments.
- **SSI-Checklist**
CRUD Application for Stanford Student Space Initiative launches using Flask and SQL.

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.