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
- CS 103: Mathematical Foundations of Computing
  Winter 2020

SKILLS

C/C++ · Python · Arduino · Javascript · LaTeX · HTML/CSS · R

Technologies/Frameworks

Git · Linux · Django · Flask · ReactJS · MySQL · Heroku

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 and Javascript to takes notes seamlessly from speech with a 3-member team using Google's cloud suite.

- **Pathfinder Visualizer**
  C++ program to visualize working of pathfinding algorithms such as Depth First Search, Breadth-First Search and Djikstra's algorithm in the console.

- **Plong**
  Developed revised version of classic game Pong in Python.

- **Boggle Game**
  Used C++ backtracking algorithms to develop single-player Boggle.

- **Requirement Tracker**
  Used Flask and SQLite3 to build CRUD application for college students to keep track of academic requirements and courses.

- **Hindi Scrabble Anagrammer Web Application**
  Developed web application in JavaScript to provide education to children devoid of resources.

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.