Adarsh Sharma

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EDUCATION

Jayshree Periwal High School   Rajasthan, India | May 2021-present
HIGH SCHOOL

- President of STEM club.

Maheshwari Public School   Rajasthan, India | April 2011- April 2021
MIDDLE SCHOOL

- Grade 10: 94/100 (CBSE Boards)
- Grade 8: Captain of Red House

WORK EXPERIENCE

AUGMETRIX.TECH | FOUNDER   Jaipur | July 2021 – Present

- A non-profit organisation that aims to provide vocational skills to high schoolers. We believe in a non-discriminating attitude and hence welcome girls, boys, beginners, amateurs, the privileged and underprivileged ones. Workshops, hackathons, sessions at various NGOs are just a tiny portion of things we strive at doing.
- Our community consists of 150+ students, from 5+ countries and more than 200 hours of volunteering.
- Link: Augmetrix.tech

AVACADS | WEB DEVELOPER   Mumbai | July 2021 – Present

- Avacads is IIT Bombay incubated startup which aims at providing AR VR technology to schools in India for a better understanding of the curriculum.
- Helping Avacads team to extend their reach to Indian schools through the medium of backend and tech support.

FUTURESCHOOL.AI | FELLOWSHIP STUDENT   Bangalore | June 2021 – August 2021

- Millions of people suffer from diabetic retinopathy. The manual diagnosis process by ophthalmologists is time, effort, and cost-consuming. The goal is to scale efforts through technology; to gain the ability to automatically screen images for disease and provide quicker and more affordable healthcare.
- I received a full-ride merit scholarship to attend an artificial intelligence camp based on an examination followed by an interview. The program comprised of theory, lab and guest lectures.
- We built **2 CNN models** with and without transfer learning to gain better accuracy.

SLINGSHOT | STUDENT AMBASSADOR   Pittsburgh | Jan 2021 – present

- Slingshot is a startup built by alums from Carnegie Mellon university backed by YCombinator and Alchemist Accelerator which aims at providing internship to high school students.
- Assisted talented peers to understand the benefit of doing internships in high school and managed to call upon 150+ high schoolers to the **Slingshot** discord server. Currently, working with the marketing team to extend Slingshot reach to high schools in India.

YOUNG TECHNOLOGY SCHOLARS | SUMMER STUDENT   Pujab | June 2021 – August 2021

- Selected to attend YTS summer program 2021 along with 133 scholars from 5 countries over a large pool of applicants.
- We worked on building an **E-mail encryption software** that will send the message encrypted with Vigenère cypher and the key is made secure with RSA (Rivest–Shamir–Adleman) encryption. Both key and message are sent to receiver separated by ", ". Users can also send image attachments and, they will be encrypted by adding noises in the image array and converting it to CSV format.

UNIVERSITY OF MASSACHUSETTS | SUMMER PRE-COLLEGE STUDENT   Amherst | July 2021 – August 2021

- Selected to attend the Summer Pre-College course on Data Science offered by University of Massachusetts.

- We analysed the data of clinical trials of a drug and simulated a function that outputs the theoretical efficacy of the used medicine both on treated patients and placebo groups.

COVID SPIKE | Co-Founder   Jaipur | March 2021 – June 2021

- Supported the patients suffering from Covid-19 to find genuine leads for resources in times of the 2nd wave of Covid-19 in India by providing a database of genuine resources and information collected through hospitals on daily basis.
- Engaged with experts in the medical field to accumulate data about all sorts of home remedies that could help in recovering from Covid-19 while staying home.

THE NEW YORK ACADEMY OF SCIENCES | Junior Academy Member | September 2021 - present

- Each year, the New York Academy of Sciences selects 1,000 of the worlds brightest high school students (ages 13-17) to become part of The Junior Academy, joining a dynamic global network of like-minded peers and mentors.
- students and STEM professionals to collaborate virtually as they compete in project-based challenges focused on the United Nations Sustainable Development Goals. In addition to competing in global challenges, students develop STEM and research experience while advancing vital 21st-century skills such as leadership, communication, and collaboration.

QUBIT X QUBIT | IBM Quantum Computing Course   Virtual | September 2021 - present

- Selected for a Quantum computing course taught by professors from MIT, Stanford and Harvard.
- Through two semesters of weekly lectures, lab sections, and homework assignments, we will develop a foundational understanding of quantum computing, including basic linear algebra, quantum mechanics, quantum computation and information, and quantum algorithms.

FARADAY FRATERNITY | Event Coordinator   Jayshree Periwal High School | May 2021 – Present

- organised a Pan India E-Science fest with the participation of 1900+ students from more than 13 States, 31 Cities 54 schools.
- The fest comprised of 5 competitions, out of which I was responsible, to conduct 3.

STEMM4GIRLS | Volunteer   Mumbai | June 2021 – September 2021

- Helped them build a website for better outreach and growth. Through the medium of the website, we were successful to increase the bandwidth from 2500 to 3500+ high school students.

ACADEMICS

TECHFEST | Indian Institute Of Technology   Mumbai | December 2020

- Techfest is Asia's largest Science Technology festival. Secured an All India Rank: 02 in Techfest Olympiad for High school students.

TESSELLATE STEMS | Chennai Mathematical Institute   Chennai | January 2021

- Qualifier round of TESSELLATE Camp selects the top 15 students all over India in 4 major domains. (Computer Science, Mathematics, Physics, Chemistry). I qualified in the domains of Mathematics and Physics.

NATIONAL TALENT SEARCH EXAMINATION | Government Of Rajasthan   Rajasthan | May 2021

- National Talent Search Examination (NTSE) is a scholarship examination that searches for talented high school students of grade 10. Secured State Rank: 58

PRE-REGIONAL MATHEMATICS OLYMPIAD | Mathematics Association of Teachers   India | December 2020

- Pre-Regional Mathematics Olympiad(PRMO) is the 1st stage of the International Mathematics Olympiad. MTA(I) selects the 300 top scorers from each state through PRMO.

NATIONAL MATHEMATICS TALENT CONTEST | The Association of Mathematics Teachers of India (AMTI)   India | May 2021

- Qualified stage 1 of NMTC which students on the basis of non-routine mathematics. The examination selects top 10 percent students from an institute.