

Divvyam Arora

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Education Information

Delhi Public School, Gurgaon

Anticipated Graduation: May 2024

- Relevant Coursework:** - Physics, Maths, Chemistry, English, Computer Science, Physical Education
- Predicted Scores: - 98.7 %
- Among the Top 3 (5 %) of my class section in grades 9 to 12; Holding 1st rank in grades 9, 11 & 12 among 35 students.
- Programming Languages: Python, SQL & Java.

- Standardized Test Scores
- SAT:** - 1540 (800 Math, 740 Reading & Writing)
 - TOEFL:** - 112/120
 - AP Scores:** - Physics C (Mechanics) - 4

Awards, Honors & Achievements

- Awarded thrice for **‘Best Project, Idea & Prototype’** with A+ Grades in the Global Research & Innovation Program (GRIP) by the **National University of Singapore (NUS)** 2023
- Received the consecutive **Gold, Silver & Bronze ‘Duke of Edinburgh International Award’** for community service, skill & adventure accomplishments. 2021-23
- Bestowed **‘Best Camper Badge’** for adventure activity of **‘Duke of Edinburgh International Gold Award’** 2023
- Awarded **‘Scholar Badges’** for securing more than 85% marks for 3 consecutive years. 2020-23
- Honored with **‘Blue Blazer’** for holding **‘Scholar Badge’** for 3 consecutive years. 2023
- Awarded **‘Third prize’** at the **‘Eureka Verse’** Interschool Research Poster competition; Scottish High School 2023
- Awarded **‘3 Rockstar & 1 Champion Badges’** for ML/AI project; **University of Oxford, UK** with Prof. Ken Kahn 2022-23
- ‘Gold Medal’** for International Rank 95 & School rank 1 by **Science Olympiad Foundation**; 70+ nations 2022
- Certificate of the Winner (**100% Score**) in BRICSMATH competition twice; 5M+ participants; 7+ countries 2020-22
- 2nd Runner Up in **National Group Discussion Competition** organized by JPHS School, Jaipur 2022
- Awarded **‘Certificate of Outstanding’ (Top 1%)** in Educational Initiative’s **ASSET Maths & Science**; 19+ nations 2022
- Gold Medal**; Int. Rank 29; School Connect International AI Olympiad; 23000+ schools; 25+ nations 2021
- Received ‘International Rank 5’** for technology & related skills in Future Edge Olympiad by AugLi 2021
- 99.9 Percentile** in Math & Science; Australian Council’s (ACER) Benchmark Test; 750+ schools; 18+ nations 2021-22
- Short film selected and premiered at **‘The Great Indian Film Festival’** 2020
- 99.9 Percentile** in Science; Australian Council’s (ACER) Benchmark Test; 750+ schools; 18+ nations 2020-21
- Represented school team in Interschool events: Robotronics, Young Creators League & Hackathon. 2020-23
- Gold Medals (5)** in the National Science Talent Search Examination (NSTSE) – at school (4) & State (1) level 2017-21
- Winner’s Trophy**; 2nd in National Science Exhibition; CBSE Cluster Meet; 50+ entrants; Zonal Champion 2019-20

Additional Coursework

Pre-Collegiate Summer School, Stanford University, USA

2023

- Completed **‘Introduction to Machine Learning’** with an ‘Excellent’ grade by Program Director Prof Jamie Fairclough
- Developed an advanced machine learning model to predict students’ academic success & dropout rates.
- Presented Poster at Research Symposium & published original research and a review article in indexed journals

Global Research Innovation Program

2022

- Completed the ‘Global Research Innovation Program’ offered by the National University of Singapore. Under Dr Tan Wee Kek
- Received A+ Grade & 3 Excellence Awards for my project ‘Sevahaar’ aimed at reducing world food wastage.

Courses & Workshops

- Attended the **‘P2E Financial Literacy’** Course offered by the Government of India. 2022
- Participated in **‘Wharton Global youth Investment Program’** by University of Pennsylvania, USA 2022
- Completed the summer workshop on **‘Cyber Smartness’** by Atal Tinkering Labs & WNS CARES Foundation 2021
- Attended the Vigyantaram **‘Python & Data Science’** Summer Program workshop. 2020
- Finished **‘Mobile App Development’** course organized by National Institution for Transforming India & Plezmo 2020
- Webinar on **‘Vedic Math’**, DPS Gurgaon Sector 45, Gurgaon. 2022
- Certification in **‘Data Science’** from IBM. 2023

Leadership Roles

Founder, Ideator; Research Club (ResearchX)

2023

- Proposed an idea, created an action plan & took the initiative to establish a research club ‘ResearchX’ in a school of 7000 students to support students with their research endeavors.

President, Physics Club (Redshift)

2023-24

- Presides over & leads all the tasks, including organising scientific events, competitions, guiding members & coordinating with staff. Created Pascal’s Cup model for ‘Seek Ek Khoj’ initiative. Organized a scientific event ‘Capitall’ with my team.

Member, Physics Club (Redshift)

2022-23

- As an active member of the club, participated in a lot of scientific activities, including volunteering for organising events.

Member, Maths Club (Pi Squad)

2020-22

- As an active member of the club for two years, organized a lot of scholastic activities including volunteering for events.

STEM Engineering & Research

Research Publications	2020-2023
<ul style="list-style-type: none">Experience of Online Classes/Work from Home among People of Different Age Groups during the COVID-19 Pandemic – A Global Perspective.Empowering School Students: The Complete Research Journey from Ideation to Publication.Predicting Students’ Academic Success & Dropout Using Machine Learning.Exploring Research Opportunities & Publishing Avenues: A School Student’s Perspective.Comprehensive analysis of factors influencing the real-world application of machine learning for student success rate calculation & their impacts on student achievement and educational institutions.	

Research Posters	
<ul style="list-style-type: none">‘Predicting Students’ Academic Success & Dropout Using Machine Learning’ at Stanford’s Research Symposium.‘Biodegradable Decomposers of Plastic’ at ‘Eureka Verse’ Interschool Research Poster competition; Scottish High School	

Magazine Publication	
<ul style="list-style-type: none">Machine Learning, Artificial Intelligence and the digital revolution: India needs to bridge the digital chasm	

Internships & Work Experience	
Programming Intern, 909 Technologies, USA	2023
<ul style="list-style-type: none">I contributed to developing a Control & Communication Protection System (CCPS) App. My role involved setting up the data model & crafting queries to fetch data based on specific plans as well as developing custom Java code for business tier, encompassing components important for validations & data integrity logic to enhance the efficiency & reliability of App.	
Research Intern, Prof. Ken Kahn, University of Oxford	2022
<ul style="list-style-type: none">Completed an AI Internship Program under Dr. Ken Kahn, & built a project titled “LIVELOG”, which helps educational institutions mark attendance seamlessly using computer vision. It is being piloted at a school in India.	
Software Intern, Navrik Software Solutions, New Delhi	2022
<ul style="list-style-type: none">Actively engaged with development team in a microfinance company project, to automate the extraction of crucial data from physical bank statements. My responsibilities included developing an AI-based bank statement extractor. Drawing upon my Python programming skills, I worked in designing & implementing the AI-based model utilizing UI Path AI Center.	
Data Management Intern, Indovision Global, New Delhi	2022
<ul style="list-style-type: none">Worked as a team member for form development in the front end of an ERP software. I played a crucial role in maintaining data transfer into an SQL database using Python. This involved ensuring seamless & accurate data transfer from the frontend forms to the backend database, contributing to the software & functionality & data management capabilities.	
STEM Intern, Trinity College, Dublin	2021
<ul style="list-style-type: none">Completed the student internship on STEM - physical sciences & chemistry by HSM & Trinity College Dublin.	
Student Intern, High School Moms (HSM)	2021
<ul style="list-style-type: none">Completed the student internship on mental health & digital well-being organized by HSM & awarded the excellence certificate for being in the Top 50 amongst 600 internees.	

Community (Voluntary) Service	
Founder, www.learnwithvolunteers.com	2023
<ul style="list-style-type: none">Ideated & created a website to connect volunteers in teaching STEM/CS with NGOs to create a global impact for literacy.	
Volunteer with NGOs and organizations	
Durga Saptashati Foundation	2021-2023
<ul style="list-style-type: none">Provided coaching for subjects like Maths and computer sciences as well as helped in technology-related task management.Conducted sessions to explain the role of Government apps & and security measures in women’s security & improvement.	
Resident Welfare Association (Sector 46, Gurgaon)	2021-2023
<ul style="list-style-type: none">Volunteered to build an app for complaint resolution, impacting over 10,000 families & more than 40,000 individuals.	
Prayatan	2022-2023
<ul style="list-style-type: none">Taught Python to children via interactive sessions. Raised funds to donate food to the children & arrange celebrations	
Shikha Kendra, Gurgaon	2021-2023
<ul style="list-style-type: none">Volunteered for multiple school initiatives for the betterment of students at Shikha KendraCanKids: Helped cancer-affected by working in a team responsible for organizing annual charity events by fund collection.	
‘Duke of Edinburgh International Award’	2021-2023
<ul style="list-style-type: none">Volunteered in activities focused on literacy & education as well as all kinds of activities for educational & social upliftment	
Sahaj Sambhav	2022-2023
<ul style="list-style-type: none">Volunteered for STEM/CS teaching, technology-related management & funds to donate food to children & arranging events.	

Sports/Creative Endeavours	
Table Tennis	2016- Present
<ul style="list-style-type: none">2nd runner-up at the zonal level & played at the National level of the CBSE interschool cluster meet qualifier. Represented the school for 3 years in zonal & regional events in Saudi Arabia.Awarded 2 gold & 2 silver medals in various events to date. Gold medal for ‘Doubles’ in DPS School Sports Day (2022)	
Karate & Taekwondo (Green Belt)	2012- Present
<ul style="list-style-type: none">Awarded 4 gold medals, 2 silver medals & 2 bronze medals in Karate & Taekwondo in Regional and Zonal events	
Calligraphy / Painting	2012- Present
<ul style="list-style-type: none">Mentored 50+ children & started a non-profit YouTube channel ‘The Artful Pen’ for global outreach of this art & skill.	

Hobbies & Interests	
Languages: English, Hindi, Punjabi & Arabic.	
Skills: Leadership, communication, Motivational, Team player	
Hobbies: Calligraphy, Table Tennis, Karate, Painting, Reading, Rubik Cube Enthusiast, collecting coins and fountain pens	