

Education Information

Delhi Public School, Gurgaon	Anticipated Graduation: May 2024
<ul style="list-style-type: none">Relevant Coursework: - Physics, Maths, Chemistry, English, Computer Science, Physical EducationPredicted 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

<ul style="list-style-type: none">Awarded thrice for ‘Best Project, Idea & Prototype’ with A+ Grades in the Global Research & Innovation Program (GRIP) by the National University of Singapore (NUS)Received the consecutive Gold, Silver & Bronze ‘Duke of Edinburgh International Award’ for community service, skill & adventure accomplishments.Bestowed ‘Best Camper Badge’ for adventure activity of ‘Duke of Edinburgh International Gold Award’Awarded ‘Scholar Badges’ for securing more than 85% marks for 3 consecutive years.Honored with ‘Blue Blazer’ for holding ‘Scholar Badge’ for 3 consecutive years.Awarded ‘Third prize’ at the ‘Eureka Verse’ Interschool Research Poster competition; Scottish High SchoolAwarded ‘3 Rockstar & 1 Champion Badges’ for ML/AI project; University of Oxford, UK with Prof. Ken Kahn‘Gold Medal’ for International Rank 95 & School rank 1 by Science Olympiad Foundation; 70+ nationsCertificate of the Winner (100% Score) in BRICSMATH competition twice; 5M+ participants; 7+ countries2nd Runner Up in National Group Discussion Competition organized by JPHS School, JaipurAwarded ‘Certificate of Outstanding’ (Top 1%) in Educational Initiative’s ASSET Maths & Science; 19+ nationsGold Medal; Int. Rank 29; School Connect International AI Olympiad; 23000+ schools; 25+ nationsReceived ‘International Rank 5’ for technology & related skills in Future Edge Olympiad by AugLi99.9 Percentile in Math & Science; Australian Council’s (ACER) Benchmark Test; 750+ schools; 18+ nationsShort film selected and premiered at ‘The Great Indian Film Festival’99.9 Percentile in Science; Australian Council’s (ACER) Benchmark Test; 750+ schools; 18+ nationsRepresented school team in Interschool events: Robotronics, Young Creators League & Hackathon.Gold Medals (5) in the National Science Talent Search Examination (NSTSE) – at school (4) & State (1) levelWinner’s Trophy: 2nd in National Science Exhibition; CBSE Cluster Meet; 50+ entrants; Zonal Champion	<div>2023</div> <div>2021-23</div> <div>2023</div> <div>2020-23</div> <div>2023</div> <div>2023</div> <div>2022-23</div> <div>2022</div> <div>2020-22</div> <div>2022</div> <div>2022</div> <div>2021</div> <div>2021</div> <div>2021-22</div> <div>2020</div> <div>2020-21</div> <div>2020-23</div> <div>2017-21</div> <div>2019-20</div>
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Additional Coursework

Pre-Collegiate Summer School, Stanford University, USA	2023
<ul style="list-style-type: none">Completed ‘Introduction to Machine Learning’ with an ‘Excellent’ grade by Program Director Prof Jamie FaircloughDeveloped 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
<ul style="list-style-type: none">Completed the ‘Global Research Innovation Program’ offered by the National University of Singapore. Under Dr Tan Wee KekReceived A+ Grade & 3 Excellence Awards for my project ‘Sevahaar’ aimed at reducing world food wastage.	

Courses & Workshops

<ul style="list-style-type: none">Attended the ‘P2E Financial Literacy’ Course offered by the Government of India.Participated in ‘Wharton Global youth Investment Program’ by University of Pennsylvania, USACompleted the summer workshop on ‘Cyber Smartness’ by Atal Tinkering Labs & WNS CARES FoundationAttended the Vigyantaram ‘Python & Data Science’ Summer Program workshop.Finished ‘Mobile App Development’ course organized by National Institution for Transforming India & PlezmoWebinar on ‘Vedic Math’, DPS Gurgaon Sector 45, Gurgaon.Certification in ‘Data Science’ from IBM.	<div>2022</div> <div>2022</div> <div>2021</div> <div>2020</div> <div>2020</div> <div>2022</div> <div>2023</div>
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Leadership Roles

Founder, Ideator; Research Club (ResearchX)	2023
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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

- ‘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

- 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	2022
<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)	2022
<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