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## **EDUCATION**

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The Doon School, Dehradun, India (2015-2021)

- International Baccalaureate Diploma Program (IBDP) Grade 12 - May 2021
- International General Certificate of Secondary Education (IGCSE) Grade 10 – May 2019

## **ACADEMIC AWARDS**

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- PRMO(Pre-Reginal Maths Olympiad) – Got the highest in Class 11 and below in school.
- Certificate of distinction in the FERMAT Maths Olympiad with the second-highest score in school.
- Silver Award in the TIMO (Thailand International Mathematics Olympiad) 2020-21 heats round.
- National Creative Olympiad – Certificate of Excellence – 2016
- ASSET Examination Grade-9 Distinguished Performance (98.9 percentile in Mathematics)
- Scored the highest marks in Computer Science in Grade-9.

## **LEADERSHIP**

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- Boy-in-Charge Cycling (2020)
- Boy-in-Charge Rashtriya Life Saving Society (RLSS) (2020)
- Boy-in-Charge Organic Farming for 3 Years (2018-20)
- Grade-11 IB Student Study Council Representative (2019)
- Head of Photography Yearbook (2020)
- Head of Photography DSMUM (2019)
- House Social Service Secretary (2020)
- Head of Photography Blueprint (Oberoi House Publication) (2019-20)

## **RESEARCH – PROVISIONAL PATENT APPLICATION**

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- Have filed a provisional patent application for a unique Hydrogen Generation System for a vehicle with application number **202011047275**.
- Participated in the Climate Launchpad Competition, which promotes startups that are related to a sustainable living framework.

## **ENGINEERING EXPERIENCES**

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- 3 Weeks Internship Training at the Sona BLW Precision Forging Ltd. in Gurugram, Haryana. Sona BLW is engaged in the manufacturing of Bevel Gears for the Automobile Industry. I was involved with the teams of production and designing to learn the basics of computer-aided design. - Made an Internship Report too.
- I spent 4 Weeks at the Engineer's Corporation, Noida studying and observing the restoration process of various Vintage & Classic Cars under the guidance of well-known vintage and classic car restorer Mr. Tutu Dhawan. Even though being underage limited my involvement, it's been the most important learning for me to see how parts are put together, the precision it requires to get old parts going, or making new ones from scratch for those old masterpieces. – Made a photographic timeline of the making of a Morgan Plus 4.
- Completed the Introduction to Engineering and Design online course by Brown University.
- Completed the Energy Within Environmental Constraints online course by Harvard University.
- Completed the Introduction to Thermodynamic online course by the University of Michigan.

## **ORGANIC FARMING PURSUITS**

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- Started Organic Farming as a social service program to spread awareness about the effects of chemicals from Fertilizers on the soil in 2017 and converted it into an Official Spare Time Activity in school in 2018.
- Made a booklet called Organic Farming Made Easy.
  - Stepwise instructions for most basic vegetables and fruits for kitchen gardens and personal use.

## RESEARCH

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- Conducted a research on the relationship between the cyclist's efficiency to the distance between the pedals and the rear crank of a bicycle with different input forces. – Personal Research
- Wrote a 4000-word research paper on the effect of the hole's height on the motion dynamics of a leaking trolley. – Extended Essay in Physics.
- Wrote a 2000-word research paper on the effect of the angle of a downward sloping plane on the braking distance of a vehicle. – Physics, IA.

## SOCIAL IMPACT INITIATIVES

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- **Rashtriya Life Saving Society (RLSS)**
  - Received a National Gold in Goa (Under 16, Line Throw – 12m) – 2017
  - Represented Uttarakhand in RLSS Nationals in Goa (2017) & Indore (2018)
  - Rookie Life Saver – 2016-17
  - Life Saver – 2017-19
  - *Lifeguard* – 2019-20
  - Attended RLSS Camp held at The Doon School, Dehradun for five years (2015, 2016, 2017, 2018 & 2019)
- **Write your Refill**
  - Initiated a White Board Refilling Project in 2019 looking at the plastic waste generated by discarding them.
  - Every Saturday, a team that I led refilled used markers that masters deposited in the boxes they kept in the School Buildings. Over our run, 'Write Your Refill' had recycled 81% of the markers we had received, saving over INR 3200 and reusing 3 kilograms of plastic each month.
- **Greensole**
  - Head of Collection center in Dehradun for 2 years.
  - Collected over 500 shoes from in and around the school.
  - Donated shoes to the needy in the nearby Thakurpur village and the Greensole Foundation to refurbish and provide to the destitute.
- **Eco-Task Force**
  - It is an initiative by the Indian Army in which they collect saplings from different places and plant them all over Uttarakhand. In this initiative, My team and I have collected 40,000 saplings from all around the school campus and helped the Indian Army achieve its aim to plant trees.
- **COVID Awareness and Mask-Distribution Campaign**
  - Conducted a COVID awareness campaign in Nagalia Village in Western Uttar Pradesh to reiterate the importance of social distancing and distributed 1500 disposable masks in the village with 100 Sanitizer Bottles. (News coverage by Amar Ujala and Amrit Vichar News Papers.)

## CYCLING

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- **Second youngest Indian** to complete The Manali to Leh Cycling Expedition on 19<sup>th</sup> June 2017 (World's second highest motorable road at an altitude of 5359 m)
- Mid-Term Cycling Expedition in April 2017 covering 200 km. Expedition starting from The Doon Valley and covering the Outer Himalayas called as Shivalik Hills and locally as the Mussoorie Range. I was the only student able to complete it.
- Mid-Term Cycling Expedition in April 2018 covering 200 km also in the Shivalik Hills.
- Member of Noida Cycling Club since 2014. Covered varied distances and terrains ranging from 30 - 100 km.
- Member of Dare 2 Gear Cycling Club since 2019.

## PHOTOGRAPHY

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- Created a Photography Portfolio
- Head of Photography Yearbook
- Head of Photography DSMUM 2019
- Photographer for Numerous School Magazines (Weekly, Blueprint, Score, etc.)
- Photography Instagram & Facebook Page

- Won second place in the Senior Category of FRAMES Photography Competition – 2020

### **SWIMMING ACHIEVEMENTS**

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- Won silver, bronze in various long-distance inter-house events.

### **EXCHANGE PROGRAMME**

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- Represented my school on a Student Exchange Program at the Evangelisches Rats Gymnasium Erfurt, Germany, for five weeks.
- Only two students were selected from the batch in Class 10 (Academic Year 2018-19) for this exchange program.
- Date of Departure 09-April-2018 (Delhi – Frankfurt)
- Date of Arrival 14-May-2018 (Frankfurt – Delhi)

### **TREKKING**

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- Kedarkantha, Uttarkashi – A five-day trek covering around 44-km and reaching a peak height of 12,500ft.
- Nag Tibba, Uttarakhand – A three-day trek covering around 35-km and reaching a peak height of 9,920ft.

### **EXTRACURRICULAR**

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- **TRINITY**
  - Trinity Speech & Drama (Grade 5 – Merit)
  - Trinity Piano (Grade Initial – Merit)
  - LAMDA Speaking Verse and Prose (Grade 5 – Distinction)
  - LAMDA Speaking Verse and Prose (Grade 4 – Distinction)
- **IAYP**
  - International Award for Young People – Bronze 2018
  - International Award for Young People – Silver 2019
- **Conferences**
  - Chairperson at Young World summit, Ranchi – Green Technology Convention – 2019
  - Young Round Square Conference (Emerald Heights International School, Indore – 2015)
  - International Round Square Conference (Daily College, Indore – 2016)
- **Language Competition**
  - Won the Judges Special Award for my entry in the Meme Making Grade XI-XII Competition in the Namaste Europe Language Festival held by Mayo College, Ajmer. - 2020

### **OTHER INTERESTS**

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- Member of The Vintage and Classic Car Club of India (VCCI) and attended various vintage and classic car rallies across India's various cities.