

Ekansh Arora

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EDUCATION

Delhi Public School Rohini, Sector-24, Phase III Rohini New Delhi-110085

2020-Present

Grade 12 CBSE

Relevant Coursework: English, Physics, Chemistry, Mathematics and Computer Science

Grade 9 - 92.75%

Grade 10 - 94.5%

Grade 11 - 87.6%

Grade 12 - 97.4% (Predicted)

SAT - 1500/1600

Online Courses

June 2020

- Certificate of Harvard's CS50 Puzzle Day.
- Solved 5 problems out of 8 with my team.

LEADERSHIP

President IT & Innovation '23, Delhi Public School Rohini

July 2022 - Present

- Conducted Cybersecurity sessions for classes 6-8, with a participation of over 600+ students.
- Organized intra-school competitions for the computer club, XINO for classes 6-9.
- Held Computer Week in December and hosted GD, Quiz, Scratch, Ideathon for classes 6-9.

President, XINO, Computer Club of Delhi Public School, Rohini

April 2020 - Present

- Organized XINO'22 and XINO'23 with 9 events, over 40+ schools and 500+ participants.
- Covered events such as Quizzing, Crossword, Hackathon, Programming, Designing.

President, Vortex, Mathematics Club of Delhi Public School, Rohini

April 2021 - Present

- Organized Vortex'22 and Vortex'23 with 6 events, over 60+ schools and 500+ participants.
- Events included Quizzing, Crossword, Group Discussion, Ideathon, Problem Solving.

President, Infinity, Quizzing Club of Delhi Public School, Rohini

April 2020 - Present

- Curated Heritage Quiz for class 8 for students and parents.
- Conducted auditions for Inter DPS (Jr.) for class 6-8.

Head Organizer, Decode, Cryptic Hunt Club of Delhi Public School, Rohini

April 2020 - Present

- Conducted events Decode'20 and Decode'21 with 100+ participants to familiarize juniors within the school of Cryptic Hunts & CTF.

COMMUNITY ENGAGEMENT

Founder and Developer, Scrabble App

January 2022 - Present

- Developed a scrabble app to ensure progressive improvement in playing scrabble while focusing on enhancing cognitive abilities.
- The app encourages users to make 2-9 letter words and will have various categories, increasing the vocabulary of users. Onboarded Scrabble Association of India (SAI) to utilize the app in national tournaments.

Author, AI in Scrabble

Feb 2023- Present

- Conducted research on “Effects of AI in Scrabble.” Evaluated DAWG and GADDAG algorithms; Maven and Quackle AI in Scrabble; Analyzed performance of humans vs AI using data on BasicBot of woogles.
- Published in International Journal of Computer Trends and Technology (IJCTT) journal
- Presented research paper at InnoSphere, Highschool Research and Tech conference

INTERNSHIPS

Intern, Quizadilla, New Delhi, India (<https://www.instagram.com/quizadilla/>)

Nov '22-Jan '23

- Designed general knowledge MCQ questions for the Manorama yearbook quiz and long-answer type questions for quizzes, shared with various colleges & institutions.
- 3 months internship under the guidance of the founder

ACADEMIC HONORS & AWARDS

- Mukhyamantri Vigyan Pratibha Pariksha (MVPP): Rank 64 in Delhi and a Rs.5000 scholarship from the government
- Zonal Informatics Olympiad (ZIO): among the top 120 students qualified for the selections of INOI exam
- Dhirubai Ambani International School Math Olympiad (DAISMO): Rank 2 in senior category.
- Southeast Asian Mathematics Olympiad (SEAMO): Bronze Medal
- FLUX (DPS Dwarka): 1st position for New World Order
- DELF A1, French Olympiad: Diploma of achievement 82/100
- Indian Olympiad Qualifier in Mathematics (IOQM): Certificate of Merit for top 20%
- Rank 4, Proficiency & Silver Medallist in class 11 - DPS Rohini

EXTRACURRICULARS

Scrabble

April 2015 - Present

- Int'l Scrabble player, Member of SAI & Scrabble mentor
- Semi-finalist at World Youth Scrabble Championship (WYSC) '20
- Represented India at WYSC 4 times
- Winner of National School Scrabble Championship '22
- Finished top 10 in 5 national tournaments
- Mentored 5 students for GAIL National Cup and 3 freshers through SAI Buddy program

XINO

April 2020 - Present

- Won 5+ Crosswords: Syntax v5.1 and v6.1 (DPS International) , nCrypt'21 (DPS Sushant Lok), WarP'21 (DPS Mathura Road), CW'22 (DPS Vasant Kunj)
- Won 5+ Quizzes: Project Beta (Sanskriti School), Byte.IT (Bal Bharti Public School), nCrypt (DPS Sushant Lok), Syntax v5.1 (DPS International), Technika (Cambridge School), Codex
- Won 3 Surprise competitions: MINET'21 and '22 (Mothers International School), Tech Syndicate'21 (Amity International Sector-46)
- Among top 124 students to appear for Indian National Olympiad in Informatics (INOI) after clearing ZIO.

Vortex

August 2021

- Won Crossword: Tangentia (DPS Sushant Lok)
- Won Surprise: Tangentia (DPS Sushant Lok)

Infinity

November 2021

- Winner of Inter DPS (Sr.) 2021

Decode

July-April 2021

- 1st place EnCrypt @DPS Dwarka
- 4th place DeCryptonite @DPS RKP

SKILLS

- Proficient in English and Hindi
- Proficient in Python, DART