

## Ekansh Arora

Paschim Vihar, New Delhi | [aroraekansh2706@gmail.com](mailto:aroraekansh2706@gmail.com) | +91 9319652505

### 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 2015 - 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 2015 - 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**

*April 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
- Part of 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