

# Aryaman Chandra (he/him/his)

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## Heritage Xperiential Learning School, Gurgaon, Haryana, India

2012 - Present

Grade 10 Aggregate 98%

(Secondary School Examination)

Grade 9 Aggregate 95%

### Relevant coursework:

**Grade 11:** Mathematics, Physics, Chemistry, Computer Science, English

(Central Board of Secondary Education)

**Advanced Placement:** Statistics (5/5), Computer Science A (5/5), Environmental Science Principles (4/5)

## EXPERIENCES

### HeyArya!, Founder and Chief Executive Officer, Gurgaon

Feb 2024 - Present

- Spearheading the development of HeyArya!, an advanced AI-driven educational platform. Leveraging adaptive learning algorithms and interactive experiences, reincarnating Richard Feynman, HeyArya! simplifies complex mathematical concepts for primary and middle school students.
- Metrics: 9000 views, 100 active users across 9 countries

### The CAS Guide, Author and Module Developer, Sonipat/Gurgaon

Mar 2025 - Present

- Designed and produced a **nine-module** CAS guide for CBSE students, integrating **IBDP principles**, NEP 2020, and Socratic learning to streamline how students plan, execute, and document Creativity, Activity, and Service work.
- Driving the implementation of the CAS guide across 5+ schools in Sonipat, Haryana, improving student engagement and standardising CAS documentation processes in under-resourced communities.

### The Saksham Foundation, Developer and Mentor, Gurgaon

May 2023 - Present

- Developed assistive technology for the visually impaired, including an AI-powered cap for lip reading, object detection, and sign language interpretation, and a walking stick equipped with an ultrasonic sensor.
- Secured ₹20,000 (\$225) in funding for prototype development, and ₹15,000 (\$170) for building science equipment.
- Led Saksham's school-outreach work, engaging directly with under-resourced classrooms, teacher shortages, and weak infrastructure across **3+ cities**.

### Euler Circle, Hausdorff Dimension and Fractal Geometry, Independent Researcher

May - July 2024

- Conducted independent research on Hausdorff dimensions and Fractal Geometry as part of a course with Euler Circle, a prestigious mathematics institute offering advanced college-level math courses for dedicated students.
- Wrote an expository paper extending the research to Brownian motion and Stochastic processes, presenting the same to over 30+ students.

### Hero MotoCorp Innovation Cell, Design and Innovation Intern, Delhi/Gurgaon

Jun - July 2024

- Collaborated on the development of a piezoelectric-powered gym startup to convert sweat into electricity.
- Gained hands-on experience in engineering processes at the world's largest motorcycle manufacturer.

### IIT Kharagpur, AI and Research Intern, Kharagpur/Delhi

Dec 2023 - Feb 2024

- Designed a Convolutional Neural Network embedded on a Raspberry Pi 4 to automate waste segregation into biodegradable and non-biodegradable classes.
- Invited to IIT Kharagpur to present the project among 17,000+ participants, securing **2nd place** and winning ₹30,000 (\$350).

### Inspirit AI Scholars Program, Student Researcher and Developer

Dec 2023

- Designed algorithms to improve classification between malignant and benign breast cancer tumours using CNNs.
- Researched bias in the criminal justice system through NLP, and analysed stock-market behaviour using sentiment patterns from tweets.

### Young Tech Scholars Program, Plaksha University, Chandigarh

May - June 2023

- Completed coursework in Combinatorics, Number Theory, and Set Theory under Prof. Hanumant Singh, Northeastern University.
- Studied Game Development, designing and presenting original games to a review board comprising Harvard, MIT, and IIT alumni.

## HONORS & AWARDS

- **Recipient** @Horizon Academic Essay Excellence Prize 2025 (\$1000 Scholarship); @RSL Guitar Grade 8 Award (Highest qualification) @AP Scholar Award
- FIDE-rated Chess Player in Rapid and Classical formats; achieving 3rd place and 2nd place in Gurgaon and State-level tournaments (u-19), respectively.

- **MUNs** @Best Delegate (x2) @High Commendation (x3) @Special Mention (x1)

## **SKILLS**

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**Languages:** Python, Java, C, C++, HTML/CSS, JavaScript, React, Ajax, Docker, Rest APIs, Julia, Wolfram, Bash, LaTeX

**Hardware Skills:** Raspberry Pi, Arduino, ESP-32, Makey Makey

**Software Skills:** Blender, Tinkercad, AWS, Graphic Design ([Interned at NGO](#))