



# KAVYA CHOPRA



## ACADEMIC DETAILS

Year	Degree / Board	Institute	GPA / Marks(%)
---	B.Tech in Computer Science & Engineering	Indian Institute of Technology, Delhi	---
2021	CBSE	DPS Vasant Kunj	97.2%
2019	CBSE	DPS Vasant Kunj	97.6%

## SCHOLASTIC ACHIEVEMENTS

- **Joint Entrance Examination(JEE) Advance 2021**: Secured All India Rank 98(GE) among 2 lac students. Was also **AIR 1 among females**.
- **Joint Entrance Examination(JEE) Mains 2021**: Secured All India Rank 1 among 1.4 million students. Became the **first female to get a perfect score of 300/300** in the exam.
- **IITD Merit Prize Award**: Selected for being among the top 7% of students in the first semester. **Ranked 14th** among 1200+ students
- **Olympiad Orientation Camps**: : Attended the Olympiad Orientation Camps of Chemistry (2021), Mathematics(2021), and Junior Science (2019) organized by Homi Bhabha Centre for Science Education
- **KVPY SA Scholar (2020)**: Qualified both stages of the prestigious KVPY examination organized by the Indian Institute of Science, Bangalore
- **NTSE Scholar (2019)**: Qualified both stages of the prestigious NTSE examination organized by Govt of India
- **JSTSE Scholar (2018)**: Qualified in the prestigious JSTSE Examination (present-day MVPP) organized by the Science Branch of the Directorate of Education, Delhi
- **Joy Thomas Foundation Scholarship**: Received scholarship on account of being the candidate with the highest JEE Advanced rank among female candidates all over India
- **Endowment Fund Scholarship**: Received scholarship on account of being the candidate with the highest JEE Advanced rank among female candidates all over India

## PROJECTS

- **COVID-19 Webpage**: Made a COVID-19 Webpage using JavaScript, HTML, and CSS. Linked it to an API that gives real-time updates on COVID-19 data, and plotted it using ChartJS
- **Line Follower Robot**: Built a line follower robot using Arduino and IR sensors
- **WebForum Application**: Designed and implemented the backend with a post and comments layout, CRUD functionality, user access levels, profile pages and JWT authentication using Node, React, Express and MySQL
- **Data Structures (COL100, 2022)**: Modelled the structure of a company using Trees in C. Also modelled lists in Python by using Linked Lists in C
- **Nand2Tetris Part 1**: Built various components of a modern computer, including the CPU and the Memory, integrating all of them into the computer itself (based on von-Neumann architecture). Also built an assembler for the Hack machine language.

## TECHNICAL SKILLS

- **Programming Languages**: Proficient in Python and SQL. Knowledge of MATLAB
- **Operating Systems**: Windows, Linux
- **Data Visualisation**: MS Excel, Google Sheets, Matplotlib

## EXTRA CURRICULAR ACTIVITIES

- **Tryst (2022)**:
  - Winner in Bachelor's Reloaded, a multi-tier mega-event full of technical and cultural sub-events
  - Runners up in Logicape, a quiz-cum-coding contest
  - Winner in CodeMod, an event where we had to solve mathematical puzzles
- **Computational Linguistics**: Honorable mention in the Individual Round of The Panini Linguistics Olympiad. This competition helps foster problem solving, computational thinking and appreciation for the linguistic diversity and linguistics in general.

## POSITIONS OF RESPONSIBILITY

- **Executive, ACES-ACM (2022)**: ACES-ACM is the departmental society of the Department of Computer Science. Currently a part of the team for redesigning and developing the website of the club
- **Technical Executive, eDC (2022)**: eDC is the Entrepreneurship Development Cell of IIT Delhi. Currently a part of the team for redesigning and developing the website of the club.
- **Vice Head Girl, Student Council, DPS Vasant Kunj**: Responsible for overseeing the arrangements of various fests and events organized by the school. Also led the team organising the farewell for the senior batch.



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## IIT COURSE

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B.Tech in Computer Science & Engineering	Indian Institute of Technology, Delhi	---

## COURSES DONE