



KAVYA CHOPRA



ACADEMIC DETAILS

Year	Degree / Board	Institute	GPA / Marks(%)
---	B.Tech in Computer Science & Engineering	Indian Institute of Technology, Delhi	9.931
2021	CBSE	DPS Vasant Kunj	97.2%
2019	CBSE	DPS Vasant Kunj	97.6%

SCHOLASTIC ACHIEVEMENTS

- **Joint Entrance Examination (JEE) Advance 2021:** Secured **AIR 98** among 2 lakh people and was also **AIR 1** among females
- **Joint Entrance Examination (JEE) Mains 2021:** Became the **first female to get a score of 300/300** and **AIR 1** in the exam.
- **IITD Semester Merit Award:** Received on account of ranking **14th** among 1200+ students in Semester 1, 2021-22
- **Olympiad Orientation Camps:** : Cleared 2 rigorous stages of exams and was selected to attend the olympiad orientation camps of **Chemistry (2021)** and **Mathematics (2021)**, and **Junior Science (2019)** organized by HBCSE
- **KVPY SA Scholar (2020):** Qualified both stages of the prestigious KVPY examination organized by IISc, Bangalore
- **NTSE Scholar (2019):** Qualified both stages of the prestigious NTSE examination organized by Govt of India
- **JSTSE Scholar (2018):** Qualified the prestigious JSTSE Examination organized by the Science Branch of the DoE, Delhi
- **Joy Thomas Foundation Scholarship:** Received scholarship on account of being AIR 1 among females in JEE Advanced
- **Endowment Fund Scholarship:** Received scholarship on account of being AIR 1 among females in JEE Advanced
- **Gold Medal:** Awarded for Academic Excellence for **seven consecutive years** issued by the **DPS Society (2021)**
- **SOF NSO:** Secured International Rank 3 among 50,000+ candidates in NSO, organised by the Science Olympiad Foundation

PROJECTS

- **COVID-19 Webpage:** Made a COVID-19 Webpage that gives information regarding the symptoms of and preventive measures that can be taken against COVID-19 in an attempt to spread awareness. It was made using HTML, CSS and JS, and was also linked to an API which gave real time updates on COVID-19 stats, and plotted the stats using ChartJS.
- **Line Follower Robot:** Made a line follower robot using Arduino that used IR sensors for detecting path contours. Learnt more about various disciplines involved, such as optimising the mechanical structure of a robot, making connections efficiently and logically, and learnt more about the programming, structure and functioning of Arduino boards as well
- **Web Forum Application:** Designed and implemented a Web Forum application, which enables users to register and login with JWT authentication. Learnt how to implement elementary CRUD functionalities and design database schemas. Also modelled a posts and comments layout, with profile pages for each user. The project was implemented using ReactJS, NodeJS, and ExpressJS, with MySQL being used as the database.
- **Data Structures (COL100, 2022):** Modelled the structure of a company using Trees in C, representing subordinate employees as children. Learnt various algorithms related to trees in the process. Also modelled the lists data structure in Python using Linked Lists in C, learning various algorithms associated with Linked Lists in the process.
- **Nand2Tetris Part 1:** Built various components of a modern computer, starting from the NAND logical gate to the CPU and the Memory, integrating all of them into the computer itself (based on von-Neumann architecture). Gained a lot of exposure to many aspects of Computer Architecture in the process. Also built an assembler as a part of the course.

TECHNICAL SKILLS

- **Programming Languages:** Knowledge of C, C++, HDL, Python, MATLAB and Assembly
- **Software:** Auto Desk Inventor, Figma, Canva
- **Web Development:** HTML, CSS, JavaScript, MySQL, React, Node, Express
- **Operating Systems:** Windows, Linux

EXTRA CURRICULAR ACTIVITIES

- **Convenor, DebSoc (2022):** DebSoc is the debating society of IIT Delhi. Have organised workshops to introduce peers to debating.
 - **Prattija v17.0 Asian Parliamentary Debating Tournament (2022):** Open Quarter Finalist
 - **Intra-IIT Parliamentary Debate Tournament (2022):** Novice Finalist
- **Bachelor's Reloaded (Tryst 2022):** Winner 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.
- **Competitive Programming :** Secured Global rank **1111** in Google Kickstart Round C (2022). Peak rating 1613 on Codeforces (Handle: kavya04)

POSITIONS OF RESPONSIBILITY

- **Executive, ACES-ACM (2022):** ACES-ACM is the departmental society of the Department of Computer Science.



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IIT COURSE

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B.Tech in Computer Science & Engineering	Indian Institute of Technology, Delhi	9.931

COURSES DONE

Engg. Visualization & Comm., Engineering Mechanics, Introduction To Chemistry, Calculus, Language & Writing Skill, Intro. To Electrical Engg., Intro. To Electrical Engg., Physics Laboratory, Electromagnetic Waves & Qua.mec., Intro. To Computer Science, Language & Writing Skill-2, Linear Algebra & Diffe. Equa.

QUALIFYING EXAM

• Joint Entrance Examination (JEE) Advanced Rank: 98 (GE)