

Apoorva Gupta

2nd Year Undergraduate
Department of Computer Science and Engineering

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Academic Qualifications

| Year | Degree/Certificate | Institute | CPI/% |
|----------------|--------------------|---|--------|
| 2021 - Present | B.Tech | Indian Institute of Technology, Kanpur | 9.6/10 |
| 2021 | CBSE(XII) | Bharat Ram Global School, Greater Noida | 97.4% |
| 2019 | CBSE(X) | Somerville School, Greater Noida | 97.2% |

Scholastic Achievements

- Awarded with **Dr. Sangeeta Goel Memorial Award** for the best female first year undergraduate in the year 2021-2022.
- Received the **Academic Excellence Award** by IIT Kanpur for exceptional academic performance in 2021-22 academic session.
- Received **KVPY (SX) fellowship** in the year 2020 issued by the Department of Science and Technology, Government of India.
- Secured an **All India Rank of 577** in Joint Entrance Examination (JEE Advance 2021) among 2.5 lakh students enrolled.
- Secured an **All India Rank of 677** in Joint Entrance Examination (JEE Mains 2021) among 1.2 million students enrolled.
- Secured **97.4%** in All India Senior School Certificate Examination (AISSCE) also called class 12th Board Examinations (2021).
- Secured **97.2%** in All India Secondary School Examination (AISSE) also called class 10th Board Examinations in the year 2019.
- Among the **top 257** students qualified to appear for Indian national Astronomy Olympiad 2020-21 from a total of 17516 students
- Among the **top 357** students who qualified Indian Olympiad Qualifiers in Physics 2020-21 part 1 with a total of 20,858 candidates.

Key Projects

- **Unmasking CP** (June'22- July'22)
Mentor: ACA(Association for computing activities), IIT Kanpur
 - Gave various contests on codeforces and learned about STL of C++ which has data structures like vectors, queue, map etc.
 - Learnt topics like time complexity, binary search , linear sieve , modular inverse and binary representations.
 - Learnt Graph stuffs like Depth first search (DFS), breadth first search (BFS) , disjoint set(union-find) and fenwick tree.
- **Demystifying Algorithms** (April'22- May'22)
Mentor: Science and Technology Council,IIT Kanpur
 - Learnt how to tackle range query problems, prefix sum, difference array concept, square root decomposition, sparse table.
 - Learnt topics like Centroid Decomposition , binary lifting, about set operations with bitmasks and bitmasking.
 - Learnt Graph stuffs like SCC, Flows, Randomised algorithms, Dynamic Programming and some Data Structures.

Technical Skills

- **Programming Languages:** C, C++, HTML, \LaTeX , Python

Positions of Responsibility

- **Technical Team Member,Humanoid,IIT Kanpur** (2022-Present)
 - Working with a team to develop a 21-DOF bipedal Humanoid robot, AUTOMI and 17-DOF Humanoid robot, Darwin
- **Secretary Career Development Wing, Academics and Career Council, IIT Kanpur** (2022-Present)
 - Organizing tests, workshops, guidance sessions for skills that companies demand and helping the students to prepare for it.
 - Contacting Alumni and other professionals in diverse fields to help students in choosing their career path.

Relevant Courses

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| Data Structure and Algorithms(A*) Fundamentals of Computing(A) Introduction to Biotechnology(A*) Supervised Machine Learning (Coursera) | Discrete Mathematics(A) Linear algebra and Differential Equations(A) Introduction to Psychology(A) Advanced Learning Algorithms(Coursera) |
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Extra-Curricular Activities

- Secured 2nd rank in a team of 4 in 'Be an Angel' a pitching-based competition organized by ECELL IITK
- Participated in Freshers Showcase and various dance workshops organised by Dance club IIT Kanpur
- Won silver medal in Taekwondo Championship 2011