

# Anshika Chaudhary

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## EDUCATION

Year	Qualification	School/College	CGPA/%
2018-present	B.Tech, Materials Science and Engineering	Indian Institute of Technology, Kanpur	8.3/10
2017-18	Class XII, CBSE Board	Delhi Public School, Greater Noida	99%
2015-16	Class X, CBSE Board	Delhi Public School, Greater Noida	10/10

## ACHIEVEMENTS

- Received **Best Project Award** for SURGE 2020 amongst hundred applicants
- Secured **5873** Category Rank in **JEE ADVANCED'18** amongst 1,50,000 candidates and **14476** AIR in **JEE MAIN'18**
- Recipient of the **UPSTSE scholarship 2017** by the UP Government ; awarded to **top 100** meritorious students
- Amongst the **top 8** sportsperson to be conferred with the **Sports Performer of the Year Award 2020**
- Received the prestigious **Sports Scholarship (2020-21)**; awarded to **top 20** sportsperson for **excellence** in sports

## INTERNSHIP AT SURGE, IITK

*Prof. Anandh Subramaniam | Jun'20- Sep'20*

- **Title :** Finite Element studies on Semi-coherent to Semi-semi-coherent transition of precipitates
- **Approach :**
  - Studied **literature** related to the topic including interface transitions, dislocation loops and free surface effects
  - Learnt **Abaqus** software, **FEM technique** & concepts such as Mesh Conversion studies, Boundary conditions
  - Simulated and computed the results for a **semi-infinite domain** with a precipitate close to the free surface
- **Relevance :** Study of defect structure at **nanoscale** helps in understanding of **microstructural sensitive properties**

## TECHNICAL SKILLS

- **Languages:** C, C++, Python, HTML5, CSS3, JS
- **Operating Systems:** Windows, Mac
- **Software and Tools:** Abaqus, Fusion 360, LaTeX, Adobe Photoshop, Github, Bootstrap, Canva

## RELEVANT COURSEWORK

*\*(online specialization)*

Python for Everybody*	Fundamentals of Computing	Quantum Physics
Numerical Methods	Microeconomics	Linear Algebra
Data Structures & Algorithms	Probability & Statistics	Macroeconomics

## KEY PROJECTS

- **Miniature Tensile Tester** *Prof. S.K Jha | Nov'19- Ongoing*
  - Devised a cost efficient portable tester for **small sized samples** having cross sectional area of about  $20\text{mm}^2$
  - Designed and visualised model on **AutoCAD Fusion**, calculated **motor sizing** for selection of appropriate motor
- **Garbage Picker** (*Course Project for TA202A- Manufacturing Processes II*) *Prof. Mohit Law | Aug'19- Nov'19*
  - Conceptualized and implemented **working model** using manufacturing processes like **drilling, milling, turning**
  - Got exposed to advanced technologies like **3D Printing, CNC Machine** and speed control using **arduino**

## POSITIONS OF RESPONSIBILITY

- **General Secretary | Games and Sports** *Elected Students' Representative, IITK | Mar'21- Present*
  - **First ever female General Secretary** of IIT Kanpur **elected** by an electorate of **8,000 students** to lead the Games and Sports Council including **22 teams, 6 clubs & 4 societies** and represent the council at **Students' Senate**
  - **Ex- officio Chairperson** of Udghosh & students' representative in **Sports & Physical Education Committee**
  - Organised **pan India Wellness Indoors Campaign (WIN India)** involving participation of over **10,000** students
- **Captain | Institute Athletics Team** *Games and Sports Council, IITK | Feb'20- Mar'21*
  - Supervised a team of **50 athletes** & increased girls' participation from 7 to approximately 20
  - Strengthened team by initiating and mentoring **online group workout sessions** during lock-down
- **Senior Executive | Marketing** *Udghosh(Annual sports festival of IITK) | 2019*
  - Contacted and met the **marketing personnel** of over hundreds of firms, sealing deals both in **cash and kind**
  - Negotiated a deal of approximately **3 lakhs from SBI**; assisted in conversion of several other **sponsors** as well
- **Events Secretary | GnS Council** *Games and Sports Council, IITK | Apr'19- Mar'20*
  - Implemented the **revamped model** of Inferno ; planned the **structure, execution and poster** for various events
  - Spearheaded the foundations of a **new sporting event** for the Freshers, **Aagaaz**; scraping the old Freshers Inferno

## EXTRA CURRICULARS

- Won **gold medal** in **Discuss Throw** and **4th position** in **4\*400m relay** in **Inter IIT Sports Meet 2019**
- Won **1 gold** and **3 bronze medals** in **4\*400 relay, Discuss Throw & Hammer Throw** in Inter-college competitions
- Won **bronze medal** in **Discuss Throw** in **District Meet 2019** organised by Kanpur Athletics Association
- Participated in **5km runs** organised by **Women's Cell IITK** in 2019 and by **Counselling Service IITK** in 2020
- Member of **Dramatics Club** (2018-19); performed over **10 mimes & street plays** on **social causes**
- **NCC B Certificate** holder; attended **10 day NCC Camp**, **led troops** of hundreds of Cadets, **commanded parades**
- **Head Girl** (2017-18) **DPS Greater Noida**; won recognition for excellence in **creative writing and anchoring**