



Uditi Malviya  
Chemical Engineering  
Indian Institute of Technology Bombay

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B.Tech.  
Gender: Female  
DOB: 20/2/2002

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2024	

## Scholastic Achievements

- Recipient of the prestigious **Olina Raney Summer Fellowship** worth **750 USD** (2 among **500** students) ['22]
- Endowed with **Bronze Medal** in Dr.Homi Bhabha Balvaidhyani Olympiad (**100** among **50,000+** students) ['17]
- Awarded **All-round Excellence Award** in school given to **top 2.5%** students for **10** consecutive years ['08 -'17]
- Achieved **All India Rank 4** in the All India Maths Science Talent Examination Olympiad conducted by CFE ['13]

## Professional Experience

**Corporate Strategy Intern** | Manikaran Power Limited [Jun '22 - Present]

*Amongst the top 3 power trading companies in India and the leading in renewable energy forecasting*

- Analyzing **3+ asset reports** through detailed technical due diligence to help formulate accurate acquisition strategies
- Ideating alternative methods and evaluating risks to enhance the present business base to increase the profitability

**Research Intern** | Complex Coacervates in clay/cationic polyelectrolyte systems [May '22 - Jul '22]

*Guide: Prof. Guruswamy Kumaraswamy, Department of Chemical Engineering, IIT Bombay*

- Carried out a **systematic investigation** to understand mechanism of complexation for clay & polycationic systems
- Designed & executed detailed experiments studying the effect of **4 system parameters** on complex phase behaviour
- Conducted a thorough **literature review** by analyzing **40+** research papers and narrowing down various constraints

## Positions of Responsibility

**Marketing Manager** | AZeotropy, IIT Bombay [Jun '22 - Present]

*India's Largest Intercollegiate Chemical Engineering Symposium | Footfall: 11,000+ | Colleges: 350+*

- Pursuing a target to achieve a budget of **INR 2 Million+** through corporate sponsorship, core firms and embassies
- Leading a **2-tier** team of **50+** students to revamp and execute **30+** on-ground events, workshops and competitions
- Implementing customised strategies for efficient brand marketing and partnering with NGOs for social campaigns

**Institute Events Convener** | Institute Sports Council, IIT Bombay [May '21 - Apr '22]

*Worked in a 34 member team selected from 200+ applicants managing sports events catering to 10,000+ students*

- Organized and executed **3** institute-level **Basketball Tournaments** to revive the sporting culture after the pandemic
- Procured an **80% increase** in participation in Aavhan Online Chess Open 3.0 having a prize fund of **INR 1,35,000**
- Ideated and conducted the online NBA Prediction Contest with a total prize of **INR 7,500** and **200+** participants

**Department Academic Mentor** | Student Mentor Program, IIT Bombay [May '22 - Present]

*Part of a 40 member team dedicated to bridging the student-faculty gap & contributing to promote student interaction*

- Responsible for mentoring **6** sophomores, ensuring their holistic development & guiding them in their academic choices
- Revamping the **DAMP Blog** (Readership: **44,000+**) by gathering extensive course reviews & internship databases

## Key Project

**Optimised Food Packaging** | Course Project | Guide: Prof. Venkat Gundabala [Jan '22 - May '22]

*Established need for effective food packaging alternatives to keep food warm for longer period by surveying 60+ users*

- Increased the time taken for the food to cool down by **20%** by optimising the design of a traditional aluminium parcel
- Examined **1D spatio-temporal** temperature variation & analysed **3** materials having different thermal diffusivities

## Extracurricular Activities

Sports	<ul style="list-style-type: none"><li>Professionally trained in <b>Taekwondo</b> for <b>7 years</b>   <b>Silver</b> Medallist at <b>district-level</b> games ['13]</li><li><b>6 years</b> experience in Athletics   <b>Bronze</b> Medallist in Long Jump at <b>district-level</b> games ['16]</li><li>Secured <b>Gold</b> in Aavhan's Basketball League as Manager and Player of the winning team ['22]</li><li>Bestowed with <b>Silver medal</b> in the Ballers' Shootout Tournament held institute-wide ['22]</li><li>Awarded the <b>Championship Trophy</b> for the most decorated athlete in school <b>thrice</b> ['13,'15,'16]</li></ul>
Culturals	<ul style="list-style-type: none"><li>Finished <b>1<sup>st</sup></b> in Jazz-Up Challenge by Style-Up, fashion club of IIT-B among <b>30+</b> other entries ['21]</li><li>Bagged <b>2<sup>nd</sup></b> place at Youphouria inter-school <b>Elocution</b> Competition among <b>25+</b> students ['15]</li><li>Staged a hip-hop group dance in the Annual Insync Dance Showcase having <b>2500+</b> viewership ['22]</li></ul>
Social	<ul style="list-style-type: none"><li>Volunteering at <b>Women of IIT Network</b> (WIN), an initiative to empower careers of women ['22]</li><li>Participated in Mangroves Clean-up drive as part of <b>cleanliness initiative</b> by NMMC ['17]</li></ul>
Others	<ul style="list-style-type: none"><li>Selected as a delegate for <b>Harvard College Conference '22</b> from <b>1000+</b> applicants globally ['22]</li><li>Accomplished an <b>Olympiad Rank 26</b> in the Global Olympiad of Math conducted by THF ['17]</li><li>Completed a course certified by the <b>Wharton University</b> on basics of Corporate Finance ['22]</li></ul>
Technical	<ul style="list-style-type: none"><li><b>Languages:</b> C/C++, Python, L<sup>A</sup>T<sub>E</sub>X, HTML   <b>Software:</b> Microsoft Office, MATLAB, MacOS</li></ul>