

## Juhi Chatterjee

Final Year | RGIPT | Chemical Engineering Undergraduate

21/01/2002

(+91)-8840068816 | eche19024@rgipt.ac.in, juhichatterjee2002@gmail.com | LinkedIn [Juhi Chatterjee](#)



### Objective

A chemical engineering student seeking to understand the fundamentals of the industry and positively contribute her technical skills and knowledge.

### Education

Examination	Institution	Year	CPI/%
Graduation	Rajiv Gandhi Institute of Petroleum Technology	2019-23 <sup>^</sup>	8.53*
Intermediate	Uttar Pradesh Sainik School, CBSE	2019	90.2
Matriculation	Uttar Pradesh Sainik School, CBSE	2017	10

<sup>^</sup> Tentative/expected \* till 6<sup>th</sup> Semester

### Internships

#### Polymer Composites and Its Applications in Various Industries

Organization: **Defence Research and Development Organisation, Pune**

(May21'-July21')

Mentor: **Dr. Anoop Anand, Scientist, DRDO**

Structural Composites, manufacturing through Vacuum Assisted Resin Transfer Molding and Resin Film Infusion

#### Equipment Design (Pump and Vessel Hydraulics)

Organization: **Engineers India Limited, Delhi**

(July22'-August22')

Mentor: **Mr. Himanshu Sharma, Deputy GM**

- Carried out vessel sizing calculations for 2-Phase V-L separator
- Studied Pump curves and completed various design problems related to pumps

### Projects

#### Development of Aqueous and Flexible Super Capacitors for Low-Temperature Applications

Guide: **Dr. Umapasana Ojha**

- Development of hydrogels of various compositions and conducting tests on them to assess their resilience and strength.

#### PAAm-based Double Network Hydrogel and Its Application in Supercapacitors

Guide: **Dr. Umapasana Ojha**

- Development of supercapacitor with a PAAm-based hydrogel electrolyte and evaluating it.

### Technical Skills

**Programming Languages-** C, C++, Python

**Software-** AutoCAD, Blender 2.91, QGIS, DWSIM, Unity

### Achievements

- Qualified IIT-JEE Advanced and secured an All-India Rank of **18,343** amongst **13,00,000** students (First attempt)
- Received Merit Scholarship for '**Excellent Academic Performance.**'
- Became a member of **AIESEC** at **IIT Delhi** after being in the **Top 200** amongst **10,000** students.

### Extra-Curricular Activities/PORs

- President (Founder)** of **CodeChef** RGIPT Student Chapter
- Joint Secretary** of Science and Technical Council.
- Overall Coordinator** for Winter School 2022.
- Head of **Research & Development** at **AIChE** RGIPT Student Chapter.
- Teaching Volunteer** at **GyanArpan**, Project Amethi, taught **mathematics** to underprivileged students of nearby villages of classes 10<sup>th</sup> and 12<sup>th</sup> for **90 hours**.
- Member of the **Girls' Volleyball Team**.