

## ANMOL SHARMA

Final Year | Chemical Engineering Undergraduate

Male | 20 | 01/03/2001

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I look to use my knowledge of chemical engineering as a tool to create an impact across various verticals of petroleum refining and operations. My projects and steep learning curve reflect my ambition and passion to serve the domain of energy. I am a thriving individual who is hardworking and will work to my full potential even in pressure situations.

### EDUCATIONAL BACKGROUND

COURSE	INSTITUTE/COLLEGE	CPI/CGPA/%	Year
Bachelors of Technology in Chemical Engineering	Rajiv Gandhi Institute of Petroleum Technology	7.79*/10 <i>* Upto 6<sup>th</sup> Semester</i>	2018-2022
XII, Science (CBSE)	G.S. Jangid Memorial School, Jodhpur	87%	2017
X (CBSE)	Delhi Public School, Jodhpur	89.3%	2015

### INTERSHIPS

<p>❖ <b>Summer Intern     CSIR- Indian Institute of Petroleum, Dehradun</b> <b>7July-27August,2021</b></p> <p><b>Mentor: Dr. Ajay Kumar, Principal Scientist (UWRD Division)</b></p> <ul style="list-style-type: none"><li>• Waste plastic conversion process technology area</li><li>• Worked at the 1 ton per day processing capacity pilot plant for conversion of waste plastics to diesel and dealt with the troubleshooting.</li><li>• Studied and operated different basic operating units involved such as cooling tower, compressor unit, catalytic packed bed reactor, fractionating column, pyrolyser unit.</li><li>• Learnt about the basics of Distributed Control System used to control the operations.</li></ul>
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### PROJECTS

<p>❖ <b>Kinetic Modelling of Gasification of Agri-biomass to Syn Gas in Packed Bed Reactor</b></p> <p>Supervisor: <b>Dr. G.K. Agrahari, Assistant Professor (Chemical Engineering Department, RGIPT)</b></p> <ul style="list-style-type: none"><li>• Conversion of agri-biomass into syn gas which can be used as fuel.</li><li>• Model the kinetic process and get the concentration curves of syn gas with respect to change in steam/char ratio, change in temperature and also at different temperatures.</li><li>• Used Aspen+ for the simulation of the process and to get the required curves of conversion, product distribution, etc.</li></ul>
<p>❖ <b>Calculation of Heat Transfer Coefficient for a Tube Bank under specified conditions</b></p> <p>Supervisor: <b>Dr. Milan Kumar, Assistant professor (Chemical Engineering Department, RGIPT)</b></p> <ul style="list-style-type: none"><li>• The Project was to calculate average condensation heat transfer coefficient and heat transfer rate from tube bank arranged in staggered and in-line manner. Project incorporated changes in <math>n</math>, <math>m</math>, <math>Sp/d</math> and <math>Sn/d</math> using database.</li><li>• The project was executed by the use of <b>C</b> language.</li></ul>

## TECHNICAL SKILLS

**Software Skills:** AutoCAD, Aspen+, Microsoft Office, Distributed Control System (DCS), MATLAB, Sketch-Up

**Programming Languages:** Python, C+

**Languages:** English, Hindi

## POSITIONS OF RESPONSIBILITY

- ❖ **Sponsorship Committee Head** | Federation of Indian Petroleum Industry (FIPI RGIPT Student Chapter) (2020-2021)
- ❖ **Event Management Team Member** | American Institute of Chemical Engineers (AIChE RGIPT Student Chapter) (2019-2020)
- ❖ **Sponsorship Committee Team Member** | Federation of Indian Petroleum Industry (FIPI RGIPT Student Chapter) (2019-2020)
- ❖ **Batch Representative** | Hostel Affairs Committee (2019-2020)
- ❖ **Sponsorship Committee Team Member** | Energia Sports Fest(2019-2020)
- ❖ **Member** | Event Management and Hospitality Committee in ICUER(2019)

## ACHIEVEMENTS

- ❖ Qualified IIT-JEE Advanced with AIR-15499
- ❖ IGSC Junior Scholarship in 2012

## EXTRACURRICULAR ACTIVITIES

- ❖ Participated in Big Data Analytics workshop by Halliburton held at RGIPT, Amethi
- ❖ Participated in ICUER Conference 2019
- ❖ Represented the college in a cultural dance event held in Rae Bareilly
- ❖ Won Carrom singles event in DPS, Jodhpur

## Hobbies

- ❖ Swimming
- ❖ Playing football, cricket, table tennis

## Strengths

- ❖ Positive attitude
- ❖ Team work
- ❖ Hardworking

## Weakness

- ❖ Good food