

# RAUNAK GARG

Final Year | Chemical Engineering Undergraduate

Male | 22 | 07/11/1999

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Rajiv Gandhi Institute of Petroleum Technology,  
Jais, Amethi, 229304



## OBJECTIVE

Looking to work as an Entry level Chemical engineer, to meet the demands of the industry and carry out every responsibility of the position with utmost commitment.

## EDUCATIONAL BACKGROUND

COURSE	INSTITUTE/COLLEGE	CPI/%/CGPA	Year
B.Tech in Chemical Engr.	Rajiv Gandhi Institute of Petroleum Technology	6.07*/10 <i>*Up to 5<sup>th</sup> Semester</i>	2018-2022
<b>Qualified JEE Advanced 2018 with the CRL of 15938</b>			
XII, Science (CBSE)	St. Paul's Sr. Sec. School, Jodhpur	80.33%	2017
X (CBSE)	St. Paul's Sr. Sec. School, Jodhpur	8.8	2015

## INTERSHIPS

- ❖ **Summer Intern (Online mode) | | Petronet LNG Terminal (Kochi Terminal) July'2 – August'21,2021**  
Mentor: Mr. Joe P John
  - Learned about the **Downstream of an LNG Cycle**, get to know about how an LNG terminal works.
  - Made a report on **storing LNG, regasification** and its safety.
  - **Report Link | | [Click here](#)**
- ❖ **Virtual Internship | | Hindustan Petroleum Corporation Ltd. July'12 – September'6,2021**
  - Learned about basics of a refinery, **CDU, FCC, DHDS/DHT** units, and processes like **Merox, MS Block**. Got an overview of **Boilers, CPP & ETP**.
  - Worked on **Green Hydrogen Production** project at Visakh refinery
  - **Report Link | | [Click here](#)**
- ❖ **Internship | | Sunreeja Oil & Gas Pvt. Ltd. June'15 – July'16,2021**
  - Overview of various chemical engineering aspects.

## PROJECTS

- ❖ **Image Analysis & Process intensification of Multiphase flow systems in Microchannels**  
Supervisor: Dr. Koushik Guha Biswas
  - Learned about **Multiphase flow**, and its flow behaviour.
  - Analysed the images of Microchannels to study flow pattern using **PCC** (Phantom Camera Control) Software & **MS Excel** for further calculations.
  - Enhanced overall **Mass Transfer Coefficient** with the help of **Nickel nanoparticle**.
  - Synthesized nanoparticles & **fabricated** a Micro channel using **Lithographic** method.
  - **Presentation Link- I | | [Click here](#)** **Presentation Link- II | | [Click here](#)**
- ❖ **Feed Quality Calculator**  
Supervisor: Dr. Milan Kumar
  - Obtained the quality of incoming feed in the distillation.
  - **Python** was used along with **NumPy, Pandas, Tkinter**, estimated feed conditions, and calculated **Bubble & Dew point**. Created the GUI.
  - **Project Github Link | | [Click here](#)**

## TECHNICAL SKILLS

**Software Skills:** Adobe Photoshop, Adobe XD, AutoCAD\*, Figma, MATLAB\*, Aspen+\*

**Programming Languages:** Python, C++, HTML, CSS

**Languages:** English, Hindi

**Elective:** Catalysis in Petrochemicals Industries

*\*Basic level*

## POSITIONS OF RESPONSIBILITY

- ❖ Designed **Placement Brochure 2022** for the Institute.
- ❖ **Head of Designing (2020-2021), American Institute of Chemical Engineers, RGIPT (AIChE)**
- ❖ **Executive of Designing (2019-2020), American Institute of Chemical Engineers, RGIPT (AIChE)**
- ❖ **Head of Designing (2020-2021), Science & Technical Council, RGIPT (S&T)**
- ❖ **Volunteer in Logistics (Feb,2019),International Conference on Unconventional Energy Resources'19**

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Signature: RAUNAK GARG

Date: 28/09/2021