


# Raghav Sawhney

Final Year, RGIPT | Chemical Engineering Undergraduate

Male | 03/04/1999

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## Objective

To utilize my core technical competence and act as a solution finder for individual and for organisational growth.

## Education

COURSE	INSTITUTION	CPI/CGPA/%	YEAR
B.Tech	Rajiv Gandhi Institute of Petroleum Technology, Jais	8.60* * till 6 <sup>th</sup> Semester	2019-23
XII (CBSE)	Sir Padampat Singhania School , Kota	96.00	2018
X (CBSE)	Sir Padampat Singhania School, Kota	10	2016

## Internships

### Online Summer Internship 2022: Advancement in Petroleum Refining

Organisation: Indian Institute of Chemical Engineers, Kolkata

(August' 22-September' 22)

- Detailed Analysis of Fluid Catalytic Cracking Unit (FCCU), Hydrogen Generation Unit, Treater unit along with catalysts in Refining Process.

### Hydrogen Production Through Electrolysis

Organisation: Centre for High Technology, Noida

(July' 22-August' 22)

Mentor: Mr. Kishore Kumar Bhimwal, Joint Director, CHT

- Reviewed different kinds of electrolyzers and their working and cost of manufacturing.
- Comparative study between alkaline water hydrogen production method and proton exchange membrane hydrogen production method.

## Project

### Inter heat integrated C3 splitter: Design and control using ASPEN PLUS

Guide: Dr. Vivek Kumar

(May' 22-Sep' 22)

- Literature study and identification of the conventional process energy wastage problem.
- The separation of propane and propylene mixture using mechanical vapour recompression technique.
- Energy analysis and economic analysis of the mechanical vapour recompression technique.

## Technical Skills

- C Programming, AutoCAD (2D), Aspen Plus, MS Excel, PowerPoint, and Word.

## Achievements

- Received **Certificate of Merit** from CBSE for securing **100/100** in **Mathematics** Class XII CBSE examination.
- Secured **Best Student Award** for getting **First Position in Academics** for the session of 2017-2018.
- Secured All India **Rank 13955** among **1,50,000 Candidates** in **JEE Advanced** and All India **Rank 33733** (97.01 Percentile) among **11,50,000 Candidates** in **JEE Mains**.
- Recipient of **RGIPT MCM Scholarship** for **3 consecutive years** 2020-2023 among 127 students.
- Secured **2<sup>nd</sup> Position in ChemE Jeopardy Event** organised by **AIChE RGIPT Student Chapter** in collaboration with **AIChE BITS Dubai Student Chapter**.

## Extra-Curricular Activities/PORs

- Undergraduate Teaching Assistant for the fluid mechanics course for the 1<sup>st</sup> year PE and ChE students.
- Designing head at AIChE RGIPT Student Chapter (2020-21).
- Created awareness through poster presentations and nukadd-natak in the villages near the college as a part of a community internship.