

**HARSH ARYAN**

**4<sup>th</sup> Year**

**Chemical Engineering**

Male | 22 | 28/06/1999

☎ (+91) -9027761466

✉ [eche18048@rgipt.ac.in](mailto:eche18048@rgipt.ac.in),

✉ [harsharyan099@gmail.com](mailto:harsharyan099@gmail.com)

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



## OBJECTIVE

Seeking a challenging role in the organization where I can utilize my skills and knowledge of chemical engineering efficiently for organizational goals.

## EDUCATIONAL BACKGROUND

Class	University/Board	Institute	CPI/CGPA/%	YEAR
Graduation (B Tech)	RGIPT	RGIPT	5.65 (till 5 <sup>th</sup> semester)	2018-22
Intermediate/+2	CBSE	Dayawati Modi Academy	77.80%	2017
Matriculation	CBSE	R.R.K Public School	10	2015

## INTERNSHIPS

Indian oil corporation limited (Panipat)

[30<sup>th</sup> June 2021 – 11<sup>th</sup> August 2021]

Mode: Online

### Effluent Treatment Processes

Guide: Mr. N K Harikrishnan (SPNE)

- Study of different types of processes and mechanisms for the effluent treatment in a refinery.
- Applied material balance course on the real-date effluent treatment process data in refinery and calculated various parameters.

Indian Institute of Chemical Engineers

[ 15<sup>th</sup> July 2021 – 30<sup>th</sup> August 2021]

Mode: Online

### Petroleum Refinery Engineering

- Study of various Petroleum refining process and units such as ADU, VDU, Delayed Coker, Hydrocracker Unit, Reforming Unit, DHDT unit etc.

## ACADEMIC PROJECTS

**Design and control of azeotropic system of “methyl acetate, methanol and ethylene glycol”.**

2021

Supervisor: Dr. Vivek Kumar

<ul style="list-style-type: none"> <li>Steady-state simulation of Extractive distillation for the separation of azeotropic mixture (Methyl Acetate &amp; Methanol) and Ethylene Glycol as an entrainer using Aspen Plus V12-aspenONE software.</li> <li>Optimization of steady state design.</li> <li>Dynamic controllability of the process using Aspen Plus Dynamics V12-aspenONE software.</li> </ul>	
<p><b>Heat Transfer profile for a fluid flowing over a tube system.</b></p> <p>Supervisor: Dr. Milan Kumar</p> <ul style="list-style-type: none"> <li>Using C language software, Heat transfer rate and the temperature profile of a system determined where, there are infinite tubes, and different fluids namely water, oil, air are passing over the tubes with different velocities and temperature .</li> <li>Velocity of fluid, diameter of tube, temperature of tube and fluid were the parameters varied.</li> </ul>	2019
<b>SKILLS</b>	
<b>Software:</b> Aspen Plus, Aspen HYSYS, DWSIM, MS Office, MATLAB, AutoCAD	
<b>Computer languages:</b> Basics of C language & Python	
<b>Languages:</b> Hindi. English	
<b>ACHIEVEMENTS</b>	
Secured All India Rank 2797 (SC Category) in IIT JEE (Advanced).	2018
Secured 10 CGPA in SSE (Secondary School Examination).	2015
Secured 'Excellent' in Overall assessment and Performance in IOCL(Panipat) internship.	2021
Secured 'A+' grade in IICHE OIP.	2021
<b>POSITION OF RESPONSIBILITY</b>	
Logistics Department Head in FIPI RGIPT Student chapters.	2020
Event management Executive in FIPI RGIPT Student chapters.	2019
Arts & Creativity Executive in "ENERGIA" (Sports festival of RGIPT)	2019
Logistics department Executive in "ICUER".	2019
<b>WORKSHOP AND CONFERENCES</b>	
Industrial Trip at IOCL Mathura Refinery.	2020
The 9 <sup>th</sup> Annual Convention of FIPI Student Chapters at PDP, Gandhinagar.	2019

The International conference on unconventional energy resources at RGIPT.	2019
Workshop on Computational fluid dynamics by skyfi labs in the Winter school at RGIPT.	2019

Address: A148a, Ramnagar street no.3,  
Kankerkhera, Meerut

Signature: Harsh Aryan

Date: 28/09/2021