

Himanshu Singh Chauhan

Final year Undergraduate, Chemical Engineering,
Rajiv Gandhi Institute of Petroleum Technology, Jais
Gender: Male | Age: 21 years | DoB: 27/03/2000
Mobile: +916387903929
Email ID: eche18018@rgipt.ac.in

OBJECTIVE: To become a part of an organization in a learning role that will enable me to evolve into a competent professional, and solve problems related to chemicals and technology.



EDUCATIONAL BACKGROUND

Class	CPI/CGPA/%	YYYY
B-tech in Chemical Engineering, Rajiv Gandhi Institute of Petroleum Technology, Jais, Uttar Pradesh	8.91 CPI (Till 5th Sem)	2022
Intermediate (XII), Heliger Borden Education Centre, Kanpur, Uttar Pradesh, ISC board	85%	2017
Matriculation(X), Kendriya Vidyalaya No. 3 Delhi Cantt, New Delhi, CBSE board	10 CGPA	2015

AWARDS & ACHIEVEMENTS

Won AIChE Chevron Scaleup Sponsors Essay Award, 500\$ prize for essay on "Diversity and inclusion at workplace"	2020
Qualified JEE Advanced 2018 with AIR 12802 among 155000 aspirants.	2018
RG IPT Scholarship: Recipient Institute's merit-based scholarship given to top 5% students of each batch	2019, 2020
Awarded with Merit cum means scholarship of unitoperation.com given to 10 students nationwide for the year	2020
Won 1st prize in poster competition at Winter School 2019 for poster on Remote controlled wireless gas sensing probe.	2019

INTERNSHIPS

Name of Organization: **IOCL Mathura Refinery**

Project Title: **Vis breaking: Study, Prediction of yields, and Mass balance**

Period: 15 June 2021 - 30 July 2021

Understood the working of refinery, types of units, production, instrumentation, tank management, CSR, legal system, etc. through various sessions and did a project on Vis breaking, studied its types and schemes, and predicted the yields of process and performed mass balance on the process using Maple correlations.

PROJECTS

Simulation of Methane Adsorption in Adsorbed Biogas Storage System for Household Application (Guide: Dr. MS Balathanigaimani) Studied the pressure and temperature variation inside a biogas cylinder(carbon adsorbent) with time in a simulation model using Dubinin Astakhov equation and compared the coloured plots for different L/D ratios, permeabilities, external effects etc.	5/2021 Ongoing
Calculation of No. of Trays in Tray Column and Height of Packed Column in Absorption using Mobile App created with Flutter (Guide: Dr. Milan Kumar) Designed an app using flutter to calculate the no. of trays of absorption column and height of the same in case of continuous bed operation when the initial data is provided.	11/2020 - 2/2021
Average Condensation Heat Transfer Coefficient and Heat Transfer Rate from Tube Bank (Course Project) Tube Bank arranged in staggered and in-line manner were considered with the program incorporating changes in n, m, Sp/d and Sn/d using database and the average heat transfer coefficient was calculated. Equations were taken from Heat Transfer by JP Holman and MATLAB was used for programming.	10/2019- 11/2019
Remote Controlled Wireless Gas Sensing Probe (Science and Technical Committee, RG IPT) (Mentor – Dr Arshad Aijaz) Developed a prototype for a vehicle that can run on remote control and delivers the data of smoke and surroundings to the system. Infrared sensors were used for controlling, ultrasonic sensors for collecting the data of surroundings, and smoke sensor was used for data of percentage of different gases. Poster was also developed and presented in Winter School 2019.	9/2018- 1/2019
Sizing of Horizontal 3 Phase Separator with Weir and Studying the Variation in its Length and Diameter with Change in Different Parameters(ASC 2020 AIChE) Developed a program for the sizing of 3 phase horizontal separator in MATLAB and studied effect of various parameters and presented the poster of the same in AIChE Annual Student Conference 2020.	11/2020

SKILLS

Software: Microsoft Office | MATLAB | AutoCAD

Programming Languages: C

Data Skills: Typing at 70 WPM

Languages: English | Hindi

EXTRACURRICULAR ACTIVITIES

Tinkering Lab Coordinator at RG IPT.	2021
Worked as Co-Head in Urjotsav, The Technical Fest Of RG IPT	2019
Served as the Class Representative for B-Tech Chemical Engineering 2018 batch	2018
Attended The International Conference on Unconventional Energy Resources 2019 at RG IPT, Jais.	2019
Recipient of Student Award at AIChE Annual Student Conference 2020 and Participated in Undergraduate Student Poster Competition in the Same	2020
Attended the Workshop on Machine Learning by Skyfii Labs in Winter School 2019	2019
Visited IOCL Mathura Refinery for Field Trip	2020

Date : 11/11/21 | Signature :

H. Chauhan

Address : Quarter No 10, CRPF Headquarters, TC-32-V/Vibhuti Khand, Gombi Nagar, Lucknow, Uttar Pradesh, 226010