AYUSH KUMAR NIRAJ

Final Year, RGIPT | Chemical Engineering Undergraduate

Male | 12/11/1999

✆ +91 7366099958 | M eche19013@rgipt.ac.in, ayush1140290@gmail.com | in Ayush Kumar Niraj

OBJECTIVE

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

EDUCATIONAL BACKGROUND

COURSE	INSTITUTE	CPI/CGPA/%	YEAR
B.Tech in **Chemical Engineering**	Rajiv Gandhi Institute of Petroleum Technology	7.79*	2019-2023
XII, (BSEB)	Gaya College Gaya, Gaya	73.60	2018
X, (BSEB)	Simultala AwasiyaVidyalaya, Jamui	94.20	2016

* till 6th semester

INTERNSHIP

Overview Of Production Dept. | Vocational Trainee | IOCL, Barauni Refinery   *July 01 – July 28, 2022*

Mentor: **Ms. Krishna Kumari** (**Manager L&D**)

- Acquired a deep knowledge & understanding of overall Refinery Units.
- Worked in AVU-3, RFCCU, DHDT, CRU and Coker-A Units.

PROJECTS

Inter heat integrated C3 splitter: Design and Control using ASPEN PLUS

Guide**: Dr. Vivek Kumar**   *Aug 2021 – Sep 2022*

- Literature study and review of Conventional distillation column, Vapor recompression, Mechanical Vapor recompression methods in C3 spiltter.
- Identification of the Conventional process energy wastage problem in C3 spiltter.
- The separation of Propane and Propylene mixture using Conventional distillation column and Mechanical Vapor recompression technique.
- Energy analysis and economics analysis of the mechanical Vapour recompression technique.

ACHIEVEMENTS AND HONOURS

- Among top 2.8% in IIT- JEE Advanced   *2019*
- Secured Overall **11th Rank** in State Board Examinations (Bihar) of class 10   *2016*

TECHNICAL SKILLS

- **Software Skills** : Aspen Plus , AutoCAD , DWSIM , MS-Office
- **Programming Languages** : C, Python

EXTRA-CURRICULAR ACTIVITIES/PORs

- Teaching Volunteer at GyanArpan –(**RGIPT Social Club**)   *2019-20*
- Represented RGIPT Basketball Team in Energia   *2019-20*
- Vice Captain of College Basket ball team
- Participated in Industrial Field Trip to Indorama India Private Limited Fertilizer Division   *4th May 2022*