


RAJ KUMAR

Final Year, RGIPT | Chemical Engineering Undergraduate

Male | 05/04/2001

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OBJECTIVE

A consistent, hard-working individual aiming to become a part of an organization in a learning role that will enable me to evolve into a competent professional.

EDUCATIONAL BACKGROUND

COURSE	INSTITUTE	CPI/CGPA/%	YEAR
B.Tech in Chemical Engineering	Rajiv Gandhi Institute of Petroleum Technology, Jais	7.02* *up to 6 th semester	2019-23
XII, (CBSE)	Nezamia Public School, Patna	70.2	2018
X, (CBSE)	Co-operative Public School, Gaya	10/10	2016

INTERNSHIP

Summer Internship | Indian Oil Corporation Limited (Paradip)

May, 18 - June 27, 2022

Mentor: **Mr. GK Prusty and Mr. SS Patra**

- Brief overview of various unit processes of Paradip refinery like AVU, DCU, FCC etc. over a 6 weeks duration.
- Learned the various important process control variables and direction of control valve as an important factor for maintaining the temperature of riser in FCC unit.

PROJECTS

Bio-fuel Formation From Vegetable Oil Using Hydro processing Process

Aug, 2021- Sept, 2022

Mentor: **Dr. Shweta Jatav**

- Synthesized and characterized non-sulfided **bimetallic Ni-Mo/Al₂O₃** catalysts varying metal loading amount.
- Catalytic biofuel formation from refined soyabean oil at high temp. high pressure in a batch reactor.
- Carried out series of experimental tests aiming at catalyst screening.

ACHIEVEMENTS AND HONOURS

- Secured AIR 16823 among 1.5 lakh Candidates in JEE Advanced and AIR 30165 (97.33 Percentile) among 9 lakh Candidates.
- Recipient of RGIPT Merit cum Means Scholarship, awarded to top 5% students for the academic year 2019-2020.

TECHNICAL SKILLS

- **Coursework:** Programming and DSA
- **Programming Languages:** C, Python
- **Tools & Software:** VS Code, GitHub, MS Office, ASPEN, AutoCAD

EXTRA-CURRICULAR ACTIVITIES/PORs

- Publicity Head in Energia 2022 core team
- Member and Public Relation Executive in IChE RGIPT Student Chapter for academic session 2020-21.