

Arnab Mandal

Final Year| Chemical Engineering Undergraduate
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**RAJIV GANDHI INSTITUTE OF PETROLEUM
TECHNOLOGY**
Jais, Amethi-229304



Objective

Looking to work in an organization as an Entry Level Chemical Engineer, to meet the demands of the organization and carry out every responsibility of the position with utmost commitment.

Education

Examination	Institution	Year	CPI/%
Graduation	Rajiv Gandhi Institute of Petroleum Technology	2019-2023	7.42*
Intermediate	Burnpur Riverside School, Chittaranjan (CBSE)	2019	85
Matriculation	Burnpur Riverside School, Chittaranjan (CBSE)	2017	9.8

* till 6th Semester

Summer Internship

Name of Organization: IOCL Paradip Refinery

Project title: Overview of various processing units like ADU, VDU and DCU.

Period: 17th May 2022 – 27th June 2022

Understood the working of the refinery, different units present in the refinery, production, etc. And also studied about the complete coking and decoking process in the DCU unit.

Projects

Synthesis of Hydrogen bonded Organic Framework (HOF) for gas separation (October 2021 - July 2022)

Mentor: Dr. D.Panda & Dr. K.G. Biswas

The project focuses on the synthesis of suitable luminous, flexible and microporous HOF for gas separation.

An intimate grinding-mixing protocol (GMP) is implemented for the synthesis of non-fibrous gel due to necessary non-covalent interaction like hydrogen bonding.

Perovskite based photocatalysts for Conversion of CO₂ to Methane. (August 2022 – ongoing)

Mentor: Proff A.S.K Sinha & Dr. D.Panda

Increasing the photocatalytic efficiency only by metal doping during the synthesis.

Technical Skills

- Programming Languages – C, C++, Python.
- Software – AutoCAD, Microsoft Office, Aspen, Origin.

Achievements

- Qualified JEE Advance exam 2019.
- Recipient of Bidhan-Lokmanya Scholarship for Meritorious Students for prosecution of Technical education.(2020,21)

Language Proficiency

- English (R,W,S)
- Hindi (R,W,S)
- Bengali (R,W,S)

Extra-Curricular Activities/PORs

- Editorial Head at Indian Institute of Chemical Engineers (IChE) RGIPT Student Chapter (2020-21)
- Event Management Executive at Indian Institute of Chemical Engineers (IChE) RGIPT Student Chapter (2019-20)
- Volunteer at Social Services Council ARPAN.(2019-20)
- Publicity head at Energia 2K19, college sports fest.