

# NITIN SINGH

Final Year, RGIPT | Chemical Engineering Undergraduate

Male | 05/01/2002

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## Objective

To obtain a creative and challenging position in engineering role that gives the scope for self-improvement and leadership while utilizing my chemical engineering knowledge, and professional skills contributing to the organizational growth.

## Education

COURSE	INSTITUTE	CPI/%	YEAR
B.Tech	Rajiv Gandhi Institute of Petroleum Technology	8.13*	2019-23
XII (ISC)	Dr. Brij Kishori Dubey Memorial School	92%	2018
X (ICSE)	Mother Teresa Higher Secondary School	85%	2016

\*till 6<sup>th</sup> Semester

## Internships

### Calculation of Venting Losses for Nitrogen Tanks and Probable Solutions

Organisation: **Johnson Matthey Chemicals, Kanpur**

(July22'-Aug22')

Mentor: **Mr. Soumitra Debnath**

- Studied about liquid nitrogen storage system installed in the plant.
- Carried out calculation of total venting loss of nitrogen gas using available data from DCS system of Plant.
- Provided probable solution to minimize the venting losses.

### Recent advancement in Petroleum Refinery Engineering (Online)

(Aug22'-Sept22')

Organisation: **Indian Institute of Chemical Engineers(IIChe)**

- Overview of different refinery process units.

## Projects

### Simulation Studies for Two Phase Mass Transfer

Guide: **Dr. Koushik Guha Biswas**

(May22'-June22')

- To construct ternary plots/equilibrium diagram for various unknown liquid-liquid systems.
- To obtain linear relationship between solute concentration in aqueous and organic phase.

### Computational Fluid Dynamics Studies for Two Phase Flow Systems in the Micro-Conduits

Guide: **Dr. Koushik Guha Biswas**

(Nov21'-Dec'21)

- Experimental results on hydrodynamic studies for liquid-liquid flow to be validated using Ansys (fluid flow fluent) software.

## Technical Skills

- C Programming, AutoCAD (2D), ASPEN Plus, ANSYS(fluid flow fluent), MS Excel, PowerPoint, and Word.

## Achievements

- Secured All India **Rank 997** in **GATE CH 2022**.
- Qualified **IIT JEE ADVANCED 2019**.
- Awarded Silver Medal for Outstanding academic performance in Intermediate.
- Secured **2<sup>nd</sup> Position in Chem-e-Jeopardy** event organised by **AICHe BITS-Dubai**.
- Recipient of UP Scholarship for Meritorious Students of the state of Uttar Pradesh.

## Extra-Curricular Activities/PORs

- Training and Placement Cell Student Coordinator.
- Teaching Assistant for Modern Physics (UG Course).
- Public Relation Executive at AICHe RGIPT Student Chapter.
- **2<sup>nd</sup> Runner-Up** in Chess Tournament at ENERGIA Sports Fest of RGIPT.