

Chirag Jain

Final Year, RGIPT | Chemical Engineering Undergraduate

Male | 21/06/2001

☎ (+91)-8319375572 | ✉ eche19016@rgipt.ac.in, chiragjain9927@gmail.com |  [Chirag Jain](#)



Objective

Final year student with an excellent academic record and a good understanding of fundamentals. I am keen to acquire practical knowledge in chemical engineering to serve the Industry and Society.

Education

Examination	Institution	Year	CPI/%
Graduation	Rajiv Gandhi Institute of Petroleum Technology	2019-23 [^]	9.50*
Intermediate	Sardar Patel Public School, CBSE	2019	86.80
Matriculation	St. Thomas Convent Sr. Sec. School, CBSE	2017	10

[^] Tentative/expected * till 6th Semester

Internships

Overview of Hydraulics (Pump Systems) and Basics of Separation-Distillation and Vessel Sizing

Organization: **Engineers India Limited, Delhi**

(July22'-August22')

Mentor: **Mr. Lokesh Verma**

- Studied Pump curves from manufacturer data and completed manual calculations for a pump problem.
- Carried out vessel sizing of fuel gas knockout drum manually as well as using EIL's excel software.
- Studied the basics of distillation simulation in Aspen HYSYS and solved a problem on hydrocarbon separation.

Projects

Reactor Calculations and Catalyst Preparation for Ammonia Decomposition for Hydrogen Storage

Guide: **Dr. M.S. Balathanigaimani | Green Separations and BioFuel Lab**

(May22'-Sep22')

- Literature study for Ammonia as a hydrogen storage material and catalysts for high conversion.
- Reactor design calculations for packed bed reactor.
- Non-Noble Catalyst preparation and characterization.

Technical Skills

- C Programming, AutoCAD (2D), Aspen Plus, Aspen HYSYS, MS Excel, PowerPoint, and Word.

Achievements

- Secured All India **Rank 722** in GATE CH 2022 in **3rd Year (1st Attempt)**.
- The **only student** in the department to get **Perfect 10 SPI** consecutively for the **5th and 6th Semesters**.
- Awarded 3rd Prize in 'Udaan'-Business Plan Competition by Minister of Women and Child Development, **Mrs. Smriti Irani**.
- Secured All India **Rank 14138** among **1,50,000 Candidates** in **JEE Advanced** and All India **Rank 25954** (97.71 Percentile) among **11,50,000 Candidates** in **JEE Mains**.
- Selected for Joint Research Fellowship Programme by **Indian Academy of Science (IASc)**.
- Recipient of **MMVY Scholarship** for Meritorious Students of the State of Madhya Pradesh.
- Overall Department Rank is **2nd**

Extra-Curricular Activities/PORs

- Teaching Assistant for the following UG Courses: **Inorganic and Physical Chemistry** (1st Year), **Engineering Thermodynamics** (1st Year), and **Solid Fluid Mechanics and Mechanical Operations** (2nd Year).
- **Chemistry Teacher** to over **50 underprivileged students** of Class 10th and 11th from nearby villages of Tiloi and Jagdishpur for a total of 130 Hours under **GyanArpan, A social initiative by RGIPT**.
- Editorial Head at AICHE RGIPT Student Chapter and Senior Editorial Head at ACM RGIPT Student Chapter (2020-21).