

Chetan Kumar

B.Tech Chemical Engineering

Email : chetank@iitk.ac.in

Phone : +91-9389785802

Academic Qualifications

Year	Degree/Certificate	Institute	CPI/%
2016 - 2020	B.Tech	Indian Institute of Technology, Kanpur	5.72/10
2015	CBSE(XII)	Jawahar Navodaya Vidyalaya, Moradabad	92.2%
2013	CBSE(X)	Jawahar Navodaya Vidyalaya, Moradabad	10/10

Scholastic Achievements

- Secured **All India Rank 5260** in **JEE Advanced 2016** among the 1.2 Lakh shortlisted candidates.
- Ranked amongst the top 1.5% of the 1.5 million applicants in JEE Mains 2016.
- Selected in "**B-35**" Entrance Exam conducted by Bhabha Classes in 2015.
- Selected for the **Confederation of Indian Industries - Foundation for Academic Excellence and Access (CII-FAEA)** for exceptional academic excellence.
- Received the **Academic Excellence Award** for exceptional academic performance in 2015-16 academic session.
- Has been a bonafide **Cadet of NCC** with Very good conduct.

Key Projects

- COVID-19 Portfolio Project - Data Exploration using SQL queries**
 - Used data from source 'Our World in Data' on COVID deaths and Vaccination in the world and analyzed trends.
 - Analysed trends** : Total Cases vs Population, Percentage of population infected with COVID, Total Cases vs Total Deaths, Death rates in Countries.
 - Countries with Highest Infection Rate compared to Population, Countries with Highest Death Count per Population, Classified things continent wise.
 - Total Population vs Vaccinations, Percentage of Population that has received at least one COVID Vaccine dose, Percentage of total vaccinated Population in different countries.
- Created Interactive Dashboard in Power BI**
 - Created dashboard with Power BI using data of Global superstore orders.
 - Analyzed the orders by segments(Consumer, Corporate, Home office) and Visualized them in Dashboard.
 - Identified top 5 profit making and loss making products and their sales Region wise, etc.
- Multi-Component Distillation Column Algorithm** (July18-Nov18)
Mentor: Prof. Vishal Agrawal,
 - Simulation of non-ideal Multi-Component Distillation Column using **Naphtali Sandholm Newton Raphson**.
 - Coded **MATLAB Algorithm** for multi component using Thomas algorithm and simulated in **ASPEN software**.

Technical Skills

- Programming Languages:** SQL, C, SAS(beginner), LaTeX, MATLAB.
- Technologies and Tools:** :Microsoft Power BI , Excel, PowerPoint, Word, Aspen HYSYS, ASPEN Plus, AutoCAD.

Positions of Responsibility

- Coordinator ,Raktarpan** (Jul'18-'Dec19)
 - Coordinated and organized more than 20 blood donation camps inside and outside campus.
 - Managed more than 100 blood request from different hospitals inside Kanpur city.
- Manager Design Events, Techkriti19** (Sept'18-Mar19)
 - Conducted Technical Design event (Bridge Making and Egg Drop) among 200+ colleges on national level.
 - Led a 3-tier team of 15 executives and managed 500+ students to ensure fair conduction of the events.
 - Coordinated with the Counselling Service and helped in the organisation of **Orientation Programme 2016**.
 - Managed to increased participants number by 60% in national level colleges and raised prizes worth 5 lakhs.

Relevant Courses

Probability and Statistics Fundamentals of Computing Process Control and Design Fluid Mechanics Thermodynamics	Linear algebra and Differential Equations Indian Economic Problems Computational Methods Heat and Mass Transfer Chemical Engineering Unit Operations
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Extra-Curricular Activities

- Contributed as part of Shiksha Sopan, imparting value based education to economically weaker section of the society.
- Worked as Volunteer in Blood Connect, an NGO working in many states to reduce blood scarcity.
- Played Table Tennis,Batminton in Inferno'17,the IITK Sports championship.
- Participated in Robotics challenge organized during in Takneek'17.