

## SCHOLASTIC ACHIEVEMENTS

- Ranked among top 4% students in JEE Advanced among 1,50,000 students
- Pursuing an honor course in Chemical Engineering

## PROJECTS UNDERTAKEN

- **INDUSTRIAL TRAINING AT INDIAN OIL CORPORATION Ltd.** ( 1<sup>st</sup> June – 29<sup>th</sup> June )  
Mentor : Mr. Abhay Thakur, Senior Production Manager, IOCL
  - Successfully completed a project on revamping of SULPHUR RECOVERY UNIT to increase its efficiency and production by using enriched air
  - Studied the processes and working of ATMOSPHERIC VACUUM DISTILLATION UNIT , VIS BREAKER UNIT , FLUIDIZED CATALYTIC REFORMING UNIT , HYDROGEN GENERATING UNIT and DIESEL HYDROTREATER UNIT
  - Observed the operation of different equipments ( PUMPS and COMPRESSORS ) and studied their processes
- **RASHTRIYA CHEMICAL AND FERTILISERS, MUMBAI ( February 2014 )**  
Guide - Prof. Venkat Gundabala (Department of Chemical Engineering)
  - Surveyed and understood the working of the Sulphuric Acid manufacturing plant at RCF.
  - Re-validated the hypothesized mass and energy balance calculations for the plant.
  - Formulated a schematic for the plant depicting all the unit operations
- **PROGRAMMING PROJECT**  
Guide - Prof. Sridhar Iyer (Department of Computer Science and Engineering)
  - Provided a user friendly graphical interface, using the visual programming environment **Scratch** developed by MIT ,California thereby programming a game containing various difficulty levels.

## POSITION OF RESPONSIBILITY

- **Design Core Team Member | Student Alumni Relations Cell (SARC)** [Apr' 15 - present]
  - Leading a 2-tier team, consisting of around **30 volunteers** working towards **strengthening student and alumni relations** by ideating and executing events like **Student Alumni Meet** and **Phonathons**
  - Revamped the design and layout of SARC **website, certificates** etc
  - Responsible for creating promotional materials for the publicity of the SARC events and annual report, infographics for IITBAA (Alumni Association) catering to more than 20000 alumnus all over the world

- **Photography and Fine Arts Secretary of Hostel (2014-2015)**  
*Member of 3-tier hostel council responsible for managing cultural activities and competitions*
  - Designed the official logo for Hostel-10
  - Organized multiple workshops, intra hostel competitions and fun events for hostel inmates
  - Lead the Hostel to secure 2nd position in Core Fine Arts General Championship among 17 hostels
  - Successfully planned and organized Hostel Photography Exhibition for the very first time
  - Part of the team responsible for organization and execution of Kaladarshan, Annual Photography and Fine Arts exhibition of IIT Bombay

#### TECHNICAL SKILLS

- Completed **4-month training program** of **Core Java (Basics)** at **HP Education**
- **Programming Languages** - C++, Scratch, Java
- **Designing and Video Editing Software:** Adobe Photoshop, Illustrator, After Effects, Lightroom
- **Operating Systems:** Windows, Linux
- **Others :** MATLAB, AutoCAD 2D, Ms office

#### EXTRA-CURRICULAR ACTIVITIES

##### Cultural

- Honored with the '**Secretary of the Month**' Award for innovations and recognizable work as a Hostel Photography and Fine Arts Secretary
- Awarded '**PAF Special Mention**' for managing the Fine Arts team of the winning PAF 'Discovery of Indya'
- Secured **3rd position** in Painting organized by BHARTIYA PURATAK SARVEKSHA UTTRAKHANAN
- Completed 1 year course of KATHAK DANCE at PRAYAG SANGEET SAMITI, ALLAHABAD

##### Social Service

- Worked as **Student Volunteer** in National Service Scheme (**NSS**)
- Promoted the use of eco friendly materials over plastics by conducting workshop for children in **NGO AASHA**
- Volunteered in the **Cloth Collection Campaign**
- Visited YUSUF MEHRALLY CENTRE
  - learned about micro-watershed development, organic farming including vermiculture and vermi compost, non-conventional energy, village industries and marketing their products in urban and semi urban areas

#### KEY COURSES UNDERTAKEN

- **Core Courses** - Introduction to Chemical Engineering | Transport Phenomenon | Solid Mechanics | Chemical Engineering Thermodynamics | Chemical Reaction Engineering | Fundamentals of Heat and Mass Transfer | Process Fluid Mechanics | Molecular and Statistical Thermodynamics
- **Other Courses** - Introduction to Numerical Analysis | Data Analysis and Interpretation | Calculus | Computer Programming and Utilization | Linear Algebra | Differential Equations | Economics | Sociology | Sound and Music Design | Technology and Animations