

SCHOLASTIC ACHIEVEMENTS

- Ranked among the 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.** [1st June'15 – 29th June'15]
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 7 plants (**Atmospheric Distillation Unit, Vis-Breaker Unit, Fluidized Catalytic Cracking Unit, Hydrogen Generating Unit, Sulphur Recovery Unit and Diesel Hydrotreater Unit**) out of 17 plants
 - Observed the operation of different equipments (Pumps and Compressors) and studied their processes
- **Rashtriya Chemical And Fertilisers, Mumbai** [Feb'14]
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 level

POSITION OF RESPONSIBILITY

- **Design Core Team Member | Student Alumni Relations Cell (SARC)** [Apr'15 - present]
 - Leading a 3-tier team, consisting of around **30 volunteers** working towards strengthening student and alumni relations by ideating events like **Student Alumni Meet** and **Phonathons**
 - Revamped the design and layout of SARC **website, online series, 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 | Hostel 10, IIT Bombay** [Aug'14 - Apr'15]
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
 - Led 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

- **Coordinator | Azeotropy , Chemical Engineering Symposium**

- Assisted in extensive research , ideation and designing of ambience using installations and elements at Azeotropy'15
- Involved in execution of various events like lecture series, exhibitions etc.

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 and Sports

- 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
- Secured **2nd position** in inter hostel Tug Of War General Championship 2013-14
- Secured **2nd position** in inter hostel Kho-Kho General Championship 2013-14

Tech

- Built a manually controlled bot capable of negotiating different kinds of obstacles in its path in stipulated amount of time for an intra college event

Social Service

- Worked as **Student Volunteer** in National Service Scheme (**NSS**)
- Promoted the use of eco friendly materials over plastic 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 | Heat Transfer | Mass Transfer | Process Fluid Mechanics | Advanced Transport Phenomena
- **Other Courses** - Introduction to Numerical Analysis | Introduction to Data Analysis | Calculus | Computer Programming and Utilization | Linear Algebra | Differential Equations | Economics | Sociology | Sound and Music Design | Technology and Animation