



Prakhar Singh
Chemical Engineering
Indian Institute of Technology, Bombay
Specialization: None

110020057
UG Second Year
Male
DOB: 12/08/1993

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2013	7.74

SCHOLASTIC ACHIEVEMENTS

- Secured All India Rank 763 in IIT-JEE 2011
- Qualified for Indian National Chemistry Olympiad (INChO), ranked among top 300 students from all over India
- Successfully cleared the 2nd phase of National Talent Search Examination (NTSE) 2007

KEY ACADEMIC PROJECTS

PROJECT BIOSYNTH | *Guide: Prof. S. Mahajani*

[May 2012 - Present]

Installing a Biodiesel plant of 200L per batch capacity, produced using Waste Vegetable Oil

- Investigated the viability of neutralization of sulphuric acid mixture through anionic resin exchange
- Reviewed the importance of water content control and its quantification using near-infrared spectroscopy as a part of quality control
- As a member of **Design and Production**, was involved in making Process Flow Diagram and Piping & Instrumentation Diagram

INDUSTRIAL VISITS

RASHTRIYA CHEMICAL AND FERTILIZERS LTD

[February 2012]

- Worked on **Double Contact Double Absorption** (DCDA) technology for commercial production of sulphuric acid
- Prepared a Detailed Report to elucidate complete working of the sulphuric acid plant

POSITIONS OF RESPONSIBILITY

SERVICES INCHARGE, CASHLESS CAMPUS

[June 2012 - Present]

India's first contactless prepaid payment system

- As a part of team of 7, conceptualized and implemented the scheme **throughout the institute**
- Coordinated with professors, institute officials and hostel representatives to get all the shops, stalls and canteens under the scheme
- Assisted in registration of more than **2000 students** in first phase spanning over 8 days

HOSTEL DEBATING AND LITERARY ARTS SECRETARY, HOSTEL 8

[Aug 2012 - Present]

- Improving existing Literary Arts and Debating culture and promoting it among hostel inmates
- Representing hostel at institute level competitions and general championships

COORDINATOR, TECHFEST

[Mar 2012 - Present]

Asia's Largest Science and Technology Festival

- Planning and designing a **Model United Nations** an aim to educate participants about UN agenda, diplomacy and topics pertaining to international relations
- Coordinating in a team of 25, and negotiating with the biggest names in the entertainment sector from around the world

EXTRA CURRICULAR ACTIVITIES

- Speed cube solver; was a part of the **IIT Bombay's Limca Book World record**
- Completed two-year formal course in Tabla
- Working as a **journalist** with InsIghT - the official media body of IITB
- Volunteered for NGO **MAD** (Make A Difference) and counseled underprivileged kids
- Registered member and **regular blood donor** with State Blood Transfusion Council