



**Mayank Choudhary**  
**Chemical Engineering**  
**Indian Institute of Technology, Bombay**  
**Specialization: None**

**100020033**  
**UG Third Year (B.Tech.)**  
**Male**  
**DOB: 28-02-1992**

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2012	8.19
Intermediate/+2	CBSE	G.S. Jangid School, Jodhpur	2009	91.20
Matriculation	CBSE	Emmanuel Mission School, Pali	2007	85.40

## SCHOLASTIC ACHIEVEMENTS

- Ranked among top **0.15% (All India Rank 654)** out of 0.475 million) in **IITJEE** (Indian Institute of Technology Joint Entrance Examination) [2010]
- Secured 509 state rank and 2896 All India Rank in AIEEE (All India Engineering Entrance Examination) among approximately 1.1 million students who appeared for AIEEE [2010]
- Awarded **Certificate of Merit** for outstanding academic performance and for being among the **0.1%** of successful candidates of All India Sr. Sec. Certificate Examination in **Mathematics and Chemistry** [2009]
- Awarded **Certificate of Merit** by Eduheal Foundation for distinctive performance in the **Interactive Science Olympiad** held in India and abroad [2007]
- Awarded certificates and prizes for outstanding academic performance during school years

## POSITIONS OF RESPONSIBILITY

### MANAGER, CORPORATE RELATIONS - THE ENTREPRENEURSHIP CELL, IIT BOMBAY [Apr'12-present]

*The Entrepreneurship Cell (E-Cell) is the leading entrepreneurship promoting student organization in India as recognized by NEN (National Entrepreneurship Network)*

- Part of the 20 -member Core group of E-Cell, IIT-Bombay with an annual monetary budget of **INR 7 million** and leading a 2 tier team of **45 organizers**
- Harvard US - India Initiative Conference 2012**
  - Collaborated with Harvard in conducting a 3 Day conference in IIT Bombay and involved students in **networking**
- Handling partnerships** with organizations Indian Angel Network (IAN), Mumbai Angels, TiE, Mentor Edge, Tlabs, iMET, Dasra, Villgro, Venture Nursery for Eureka (Asia's largest B-Plan Competition)
- Signed deal** with organizations like Euphoria, Brain League, Nishith Desai Associates, Activitas for providing consultancy to Eureka winners
- Improved on the methods employed for **normalization of scores and objective feedback**

### Coordinator, Corporate Relations

[Aug'11-Mar'12]

- Organized a speaker session on the "**Basics of Entrepreneurship**" which was addressed by **Mrs. Nandini Vaidyanathan**, a business mentor and entrepreneur
- Led a team of **15 volunteers** to organize **panel discussions** on E-Summit'12, annual flagship event of E-Cell

## INTERNSHIP

**EKJAA** (<http://ekjaa.org/>)

[Dec'11]

*Ekjaa is India's first P2P crowd funding model supporting both NGO's and MFI's/MACS*

- Allotted **rural development project** by Ekjaa, which helps NGO by doing their social monitoring and connecting them with funding agencies

- Analyzed the social impact created by Mumbai based **NGOs** and developed a **social model** using it
- Pitched potential ideas like solar panel installation and **education at minimal cost** in villages to the NGOs and discussed the feasibility of ideas

## KEY PROJECTS

### Effect of stirring speed on Trans-Esterification [Biosynth Project, Prof. Sanjay Mahajani, Dec'11-Jan'12]

- Obtained a **correlation** between the rate of reaction and stirring speed (related to Reynolds' number) in the reactor
- Worked on **HPLC** (High Performance Liquid Chromatography) to measure the composition of the sample obtained from the reactor
- Performed and studied the reaction at different rpm and prepared a **detailed report** on observed behavior of reaction

### Overview of Sulfuric Acid Plant

[Course Project, Prof. Vinjamur Madhu, Feb'11]

- Attended the **Training Programme** at **RCF** (Rastriya Chemicals and Fertilizers Ltd.) and studied the entire process, from **manufacturing** to **purification**
- Prepared a detailed **project report** on manufacture of sulfuric acid encompassing **mass** and basic level **energy balances**

### Basic Banking Structure and Management

[Course Project, Prof. D.B. Pathak, Sep'11-Oct'11]

- Designed and implemented banking application **graphical interface** using **C++** and **EzWindows**
- Coded basic day-to-day **bank operations** like account management, interest calculation, automatic account number generation and statement generator

## RELEVANT COURSES & SOFTWARE SKILLS

**Core:** Numerical Analysis, Fluid Mechanics, Transport Phenomenon, Thermodynamics, Solid Mechanics, Chemical Reaction Engineering, Heat and Mass Transfer

**Non-Core:** Data Analysis and Interpretation, Economics, Computer Programming, Calculus  
Introduction to Electrical and Electronic circuits, Complex Analysis, Differential Equations

**Programming Languages:** C/C++

**Applications:** MATLAB, MS Excel, SCILAB

## EXTRA-CURRICULAR ACTIVITIES & OTHER ACHIEVEMENTS

### Tech:

- **Remote controlled car** [Electronics Club, IITB]
  - Designed a Remote Controlled F1 Car and participated in the car race competition in freshman year
  - Learnt the use of **L293D IC** in motor drive circuit

### Others:

- Acted in the **lead role** in the play 'Tamanna' at Sophie Prod'11, **annual dramatic fest** of IIT Bombay
- Member, **Production & Fine Arts** Team in first prize winning **Performing Arts Festival**
- Elected **School House Captain** to head a team for the organization of various Inter Hostel events and maintaining discipline in the school
- Yoga enthusiast