



Nimish Khandelwal
Chemistry
Indian Institute of Technology, Bombay

09103013
UG Third Year(Dual Degree)
Male
DOB: May 25-1992

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2012	7.88
Intermediate/+2	Maa Bharati Vidhya bhawan	Maa Bharati Vidhya bhawan	2008	81.28
Matriculation	Maa bharati Vidhya Bhwan	Maa bharati Vidhya Bhwan	2006	86.50

❖ Completed Minor degree in **Applied Statistics and Informatics**

POSITION OF RESPONSIBILITY

Manager, Operations, Entrepreneurship Cell, IIT Bombay

[May '11- Feb' 12]

- Led a **2 tier team of 70 students** in conceptualizing and execution of Eureka!11 Asia's biggest B plan competition with prize money worth INR 2.1 million , E summit and EnB club
- Successfully implemented **Deferred Placement Policy** in campus for the entrepreneurial students of IIT Bombay. The policy has been mentioned in many national dailies and BBC world
- Was involved in successfully organizing **TEDxIITB**, Independent TED event with theme innovation, first ever in IIT Bombay
- Organized **Jagriti Yatra** inauguration in IITB, where more than 500 people were present.
- Managed Accounts, Logistics and Administrative affairs in the institute for E cell activities
- Was involved in implementation of **Business plan workshops** in **15 different cities** across the country with the help of Nurture Talent Academy
- Completed the procedure of registering E-CELL, E Summit and E Garage logos and successfully completed the trademarks of the mentioned logos

Core Team Member, Samwad , Social awareness group, IIT Bombay

[Aug'12- Present]

- Organizing various lectures, workshops, weekly discussions and various initiatives such as **Urban farming** inside the campus to promote national and social causes
- Part of the Editorial team of the newsletter Samwad of the group, responsible for **writing, designing** and **distribution** of newsletter inside the campus

Editor, Aawaaz, Hindi media body, IIT Bombay

[May'11 – Present]

- Leading team of **6 people**, involved in **conceptualization, publication** and **distributi on** of Institute Hindi newsletter, Aawaaz
- Successful completed PAF preview videos and Topnews@campus –The online media initiatives of Aawaaz

INTERNSHIPS

Quant Capital Pvt Ltd, Mumbai

[May'12 –July'12]

Trader Performance Index

- Developed a novel tool to **quantify broking performance** of traders of the company

Market Index

- Formulated a **new mathematical model** on buy write strategy using historical CBOE BXM data
- Replicated the model on Nifty index enhancing **better return strategy** in Indian market

Revision Balance

- Improved Predictability of BSE and NSE listed companies by developing Macros to automate generation of **Earnings and Revenue Revision Balance** from **TS-Datastream** and **Bloomberg**

Rakshak Foundation

[Oct'12-Present]

- Completed a report on a bill 'Indecent Representation of women', which was presented to a Parliament committee.
- Researching on different bills, amendments and debates in 3 different ministries of India

ACADEMIC PROJECTS

Molecular Dynamics Simulation

[Aug'12- Present]

- Doing Computational studies on different metalloenzymes with different metal enzymes using
 - QM/MM methods
 - Molecular Dynamics
 - Time Dependent Density Functional Theory
- Multi-ligand docking to simulate the real-time binding of small molecules with biomolecules.

Mercury Beating Heart

[Aug'10- Nov 10]

- Demonstrated the electro pulsating reaction through the experiment.
- Studied the redox reaction associated with this reaction and risk associated with handling of mercury.

Rashtriya Chemicals and Fertilizers

[Feb'10]

- Visited the plant to study the Sulfuric acid Process Technology involved in the making of Sulfuric acid from very raw material
- Analyzed the economic aspects for the process through efficient resources optimization.

Fingerprinting analysis and detection

[Aug' 09- Nov' 09]

- Completed the 'Registration' part in a team of more than 25 people subdivided in 5 different team, in which we needed to register the students, take the print out and store in a database.

SOFTWARE SKILLS

- Languages : C++, C
- Operating System : Windows , Ubuntu , Cloudo
- Software : Microsoft Office , Dreamweaver, Chemdraw, Matlab, Adobe Photoshop, VBA

EXTRACURRICULAR ACTIVITIES

- Won the 2nd prize in Hindi Creative Writing in Malhar-2010, a college fest organized by St.Xavier's, Mumbai
- Selected for various social and entrepreneurial conferences in past:
 - Annual Global Conference on Entrepreneurship & Technology Innovation, IIT Bombay
 - United Nations Annual Young Changemakers Conclave, US Consulate, Mumbai
 - Harvard US- India conference on Entrepreneurship and Innovation, IIT Bombay
- Avid interest in Journalism, have written for various magazines such as Raintree, Institute newsletter, Reactions, Chemistry newsletter and Enspace, Ecell newsletter
- Member of Cricket NSO team of IITB, has been part of Hostel Cricket GC Team

Awards and Achievmenent

- Selected for **Jagriti Yatra-2012** on **full scholarship** an annual train journey comprising of budding social entrepreneurs, out of thousands applications
- Was awarded with **NEN Student E leader** based on my performance in NEN activities.
- Selected for **Global Ambassador Program**, Dell social Innovation competition – University of Texas, responsible for publicity and promotion of competition across India

INTERESTS

- Avid interest in poetry and is an active member of Vaani, the Hindi Club of IIT-Bombay; maintains a blog
- Keen follower of Indian politics and Indian history