



Anamika Singh  
Chemical Engineering  
Indian Institute of Technology Bombay

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UG Third Year (B.Tech.)  
Female  
DOB: 29/07/1992

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2014	9.05
Intermediate/+2	Vikas Vidya Niketan	CBSE	2010	96.20
Matriculation	Birla Balika Vidyapeeth	CBSE	2008	93.40

## SCHOLASTIC ACHIEVEMENTS

- **Department rank 5** in chemical engineering batch of 126 students
- Secured All India Rank - **899** in IIT-JEE 2011 given by about 5,00,000 aspirants
- Secured All India Rank - **945** in AIEEE 2011 among 11,00,000 aspirants
- **State Rank 1** in All India Senior Secondary School Exam for class XII in Andhra Pradesh
- Received Merit Certificate for being among **top 0.1%** scorers in Physics in AISSE, CBSE

## INTERNSHIPS

### 3M India Limited | *Effect of Filler concentration on dielectrics*

[May 2013-July 2013]

- Processed electrical insulators and studied effect of Carbon Black and ceramic fillers concentration on Dielectric Constant, Dissipation Factor, Volume Resistivity and Tensile properties of the polymer
- Found the functional relationships between electrical properties, tensile strength and filler concentration of the polymer
- Implemented the relationship to make electrical insulators which was able to satisfy specific properties required by the company for production of better **high voltage cables**

### Rakshak Foundation | *Application Development*

[Dec 2012-Jan 2013]

- Developed an **Android Application** which was a one-point source for people who need information on the correct government official to approach in order to get their grievances addressed
- Included charts of organisational hierarchy of 53 ministries and their respective departments in the application and worked with online MySQL database for storing user complains
- **Published the application** in the Android Market to enhance user experience of public offices

## PROJECTS

### Biodiesel Plant-Project Biosynth | *Guide: Prof. Sanjay Mahajani*

[June 2012-July 2012]

- Member of project to set up a first of its kind plant in India, to produce Biodiesel from waste vegetable oil
- Performed production process validation in laboratory, feedstock analysis, quality control as a part of the R&D Sub-team
- Performed Water & Pressure Testing and suggested suitable improvements in the Piping and Valves System as a part of the Plant Commissioning Team

### BASF Industrial Visit

[March 2013]

*Organised for Top 12 finalists of BASF Quiz held at 14 prominent colleges of chemical engineering across different parts of India*

- Scrutinized Reactors, Cooling and Processing Techniques at Auxiliary, Polyurethane, Engineering Plastics plant
- Exposed to control of flow rate of inputs using PID in exothermic reaction and learnt about the Structure, Functioning of Spray Dryer

- Examined the production processes involved in the manufacturing of Sulphuric Acid
- Performed basic material and energy balances after a detailed analysis of the flow processes and compiled a report on the same

## POSITION OF RESPONSIBILITY

### Marketing and Media Manager, AZeotropy 2014

[April 2013-April 2014]

- Brought in sponsorship of leading industries (BASF, ONGC, Reliance etc.) for India's largest chemical engineering festival and associated the event with the industrial world
- Prepared extensive media plan and negotiated with Hindustan Times and Chemical Industry Digest for publicizing the festival
- Introduced event "Best out of waste" to create decorative items from waste in collaboration with Aman Day Care centre(an organisation to educate children of workers at IIT Bombay)

### Coordinator, Mood Indigo 2012

[July 2012-December 2012]

*Mood Indigo is the largest college cultural festival in India, with corporate sponsorship exceeding INR 15 million and a footfall of over 80,000*

- Conceptualized and organised the Fine Arts competitions with 1000 participants from different colleges across the nation

### Coordinator, Techfest 2013

[July 2012-January 2013]

- Led a team of 15 organizers and ensured smooth execution of Technoholix, a four nights event presented by expert performers from various entertainment fields

## SOFTWARE SKILLS

- **Programming Languages:** C++, MATLAB, Lua
- **Software :** Corona SDK, Picasa, MS PowerPoint, MS Excel, MS Word
- **Operating Systems :** Windows-XP, Ubuntu, Windows 7

## EXTRA CURRICULAR ACHIEVEMENTS

Performing Arts	<ul style="list-style-type: none"> <li>• <b>Best actor</b> prize for Hindi play performed at Inter House Party Drama in class X at school level</li> <li>• <b>Finalist in dance</b> Competition, Freshizza 2011 at IIT Bombay</li> <li>• Participated in Annual Insync <b>Dance</b> Show, Gyration (Inter-Hostel Dance competition), Sophie Dance League at IIT Bombay</li> </ul>
Non-Performing Arts	<ul style="list-style-type: none"> <li>• <b>5th position</b> at All India Inter-School English <b>debate</b>, 2007</li> <li>• <b>2nd position</b> in All India Inter-School <b>poetry writing</b>, 2007</li> <li>• Pursued <b>Fine Arts</b> as a <b>subject</b> till 10th Class and passed with <b>grade A</b></li> <li>• Winner of <b>Science Quiz</b> held at BITS, Pilani</li> </ul>
Sports	<ul style="list-style-type: none"> <li>• Attained the rank of <b>Black II in Karate</b> training by Gojurye Martial Arts Academy</li> <li>• <b>Graded A</b> in one month basic <b>mountaineering</b> course organised by Aurobindo Ashram at Nainital</li> <li>• 'B' certificate in <b>national cadet corps</b> under 1 RAJ CTR Jr. wing</li> <li>• <b>Other sports</b> of interest: Horse Riding, Badminton, Kho kho</li> </ul>
Miscellaneous	<ul style="list-style-type: none"> <li>• <b>Technical activity</b> : Engineered a wireless remote control car that could run on a track full of hurdles with speed at <b>Track-Mania</b>, technical event for freshmen at IIT Bombay in 2011</li> <li>• <b>Languages</b> : Fluent in English, Hindi; Know basic <b>Chinese</b></li> <li>• <b>Other</b> interests include Singing, Travelling, Blogging</li> </ul>