



Bhavik Jain
Chemical Engineering
Indian Institute of Technology, Bombay
Specialization: Chemical Engineering

11D020023
UG Second Year
Male
DOB: 16/11/1993

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2013	7.82
Intermediate/+2	C.B.S.E	M.D.S Senior Secondary School Udaipur	2011	89.20
Matriculation	C.B.S.E	St. Paul's Senior Secondary School Udaipur	2009	89.20

SCHOLASTIC ACHIEVEMENTS

- Secured All India Rank **968** in **IIT Joint Entrance Examination 2011** out of 4.75 lakh candidates
- Secured All India Rank **4757** in **AIEEE 2011** out of 1.2 million candidates
- Selected among top 300 students for fellowship in **KVPY-2010** (Kishore Vaigyanik Protsahan Yojana)
- Ranked **254** out of 1 lakh students in **Rajasthan Pre Engineering Test 2011**
- School **Topper** in All India Senior Secondary Examination conducted under CBSE

KEY PROJECTS

- BioSynth, IIT Bombay** (May 2012-present)
First ever student's initiative of installing a Biodiesel producing plant at an institute level in India.
Guide: Prof. Sanjay Mahajani, Department of Chemical Engineering
 - Part of a team which performed small scale plant run, producing **100 litres** of Biodiesel from Waste Vegetable Oil
 - As member of **Research and Development** team, **prepared biodiesel** in laboratory and conducted tests to ensure compliance of produced biodiesel with current **standards**
 - Performed **Ion Exchange** runs using Resins to reduce the acid content in acidified methanol
 - Validated the **composition of synthesized Biodiesel** by comparing the retention times using the technique of high performance liquid chromatography
- Industrial Visit: - RASHTRIYA CHEMICALS AND FERTILIZERS Ltd.** (Spring 2012)
Guide: Prof. Vinjamur Madhu, Department of Chemical Engineering
 - Successfully completed the training program on **Sulphuric Acid Technology**
 - Worked on **Double Contact Double Adsorption** process for commercial production of Sulphuric acid
 - Prepared a report on the **Mass Balances** on the plant to determine the amount of raw materials required to manufacture a fixed tonnage of sulphuric acid per day

COURSES UNDERTAKEN

- Core Courses:-** Introduction to Chemical Engineering, Solid Mechanics, Chemical Engineering Thermodynamics, Transportation Phenomena, Heat and Mass Transfer, Fluid Mechanics, Chemical Reaction Engineering, Molecular and Statistical Thermodynamics
- Other Courses: -** Calculus, Linear Algebra, Differential Equations, Complex Analysis, Data Analysis and Interpretation, Computer Programming and Utilization, Chemistry, Modern Physics, Experiment and Measurements Lab

TECHNICAL SKILLS

Programming Languages : C++, Scilab, HTML(Basic)

Operating System : Windows, Linux

Softwares : Microsoft Office, Labview

POSITION OF RESPONSIBILITY

- **Dramatics, Film and Media Secretary, Hostel 8** (2012-Present)
 - Organized a play for Inter Hostel Dramatics General Championship
 - Made a short film for the Inter Hostel Film General Championship
 - Organized intra for situational acting, and an editing workshop in the Hostel
- **Coordinator, Techfest 2013**(*Asia's Largest Technical Festival*) (2012- 2013)
 - Worked as coordinator in Ozone Department
 - Organized '**Junkyard Wars**' in Techfest 2013
 - Heading a two tier structure with 10 volunteers
- **Organizer, Techfest 2012** (2011)
 - Organized **ROBOWARS** in which around 70 teams participated from all over India
 - Assisted in organizing **ELIXIR**, an event to provide a platform to present ongoing research in Biotechnology all over India
- **Consultant at Excel Mentors** (2012-Present)
 - Consulting a group of 5 students for various Engineering Entrance Exam Preparation
- **Organizer at Biosynth** (2012-Present)
 - Assisted in Lab runs for producing Biodiesel
- **Head Boy, MDS Sr. Sec. School** (2010-11)
 - Responsible for all the academic and non academic activities at school level for Student Council

EXTRA-CURRICULAR ACTIVITIES

- **Dramatics**
 - Awarded Special Mention for Acting in **PAF** (Performing Arts Festival)
 - Acted in "Shaheed of the Year"-Play in Sophomore Productions-2012
- **Sports**
 - Secured Third Position in Inter Hostel Badminton General Championship 2012
 - Participated in Inter House Badminton Championship(2007)
- **Technical**
 - **Wireless remote-controlled car**
Designed and built an remote-controlled car for Intra college competition which involves RC circuit and usage of motor
- **Miscellaneous**
 - Solved a 3x3x3 cube in **less than 3 minutes** and was a part of the **IIT Bombay's Limca Book of World record** of solving the maximum number of Rubik Cubes simultaneously
 - Secured **Second** Position in **Article Writing** competition at Freshiezza, IIT Bombay
 - Part of winning team in "*Treasure Hunt*" Freshiezza , IIT Bombay