



Gaurav Singh
Chemical Engineering
Indian Institute of Technology, Bombay
Specialization: NIL

110020022
UG Second Year
Male
DOB: 13 January 1993

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2013	7.34
Intermediate/+2	CBSE	SPSS	2011	85.80
Matriculation	CBSE	Sunbeam School	2009	95.40

Academic Honours

- Secured **AIR 918** in the Indian Institute of Technology, Joint Entrance Exam (JEE), among nearly 4,50,000 examinees '11
- Ranked **355 in All India Engineering Entrance Exam (AIEEE)** among more than 11,00,000 applicants '11
- Awarded the **Certificate of Merit** for being placed in the **top 1%** in the **National Astronomy Olympiad** '11
- Qualified for the **Kishore Vaigyanik Protsahan Yojana (KVPY)** 2011-12 scholarship, a national science fellowship for students interested in research, awarded by the **Government of India** '11

Academic Projects

- Fracture Dynamics** : Presently working on capturing the speed of crack in a free colloidal film experimentally, by measuring the impedance as the crack propagates under the guidance of Professor Mahesh Tirumkudulu, Chemical Engineering, IITB '12-13
- Sulphuric Acid Technology With Plant Visit** : Completed training Programme at **Rashtriya Chemicals and Fertilizers Limited**, Chembur (Mumbai), on the manufacturing process of **Sulphuric Acid** under the guidance of Mr Vinjamur Madhu, Professor, Chemical Department, IITB '12
- Shape of the Universe** : Currently analysing the data of the Cosmic Microwave Background Radiation (CMBR), to attempt the prediction of shape of universe under the guidance of Professor Debashish Chatterjee, Systems and Control Engineering, IITB '13

Skills

Programming and Software	C++, Scilab, DreamWeaver, MATLAB, SolidWorks, Microsoft Office
Operating Systems	Microsoft Windows, Linux
Languages	English, Japanese, French, Hindi

Additional Learning

- Pursuing a course in **Signals and Feedback Systems** under the department of **Systems and Control Engineering** and **Molecular and Statistical Thermodynamics**, under the department of **Chemical Engineering** '13

- Completed the course, **Mathematical Structures for Systems and Control**, under the department of **Systems and Control Engineering** '12

Extra-Curricular Activities

- Sports**
 - Part of 6-membered team for **Hostel-13 Table Tennis Team in the IITB Sports General Championship**, out of 2000 residents '12
 - Stood **1st** in the **Freshmen Table Tennis General Championship** as a part of Hostel-3 team '11
 - Completed the 26 days **Basic Mountaineering Course** conducted by Atal Bihari Institute of Mountaineering and Allied Sports (**ABVIMAS**) successfully with A grade, summited **Mount Balachandra (15,600 feet)** '12
 - Represented **Hostel-13** in the **IITB Cricket General Championship** in the team of 20 '13
- Music**
 - Trained in playing **Flute**, experienced in playing **classical music**, awarded **best Flutist for consecutive 3 years** '05-'07

Awards and Achievements

- Successfully cleared **Ramanujan Mathematics Olympiad**, accomplished **AIR 253, 222 and 139** in the second round of V, VI and VII **National Cyber Olympiad** respectively '05-'07
- Earned **bronze medal** in the **MacFair International General Quiz** conducted by CMS, Lucknow, in which 100 teams participated from **more than 6 countries** '09
- Successfully cleared the **Green Olympiad** to the next round of **Terra Quiz**, broadcasted on the **National Geographic Television** '09
- Stood **5th** in the **Odyssey International Literature Quiz** organized by **Mr Barry O'Brien** '08
- Won several other competitions at district level including the **TIME Science Quiz**(India's **Largest Science Quiz** involving over 2,40,000 participants) and **BQC**

Other Interests

- Completed **Je Parle Français Course**, which introduces to basic **French** and pursuing **Japanese Communication Course** at **IITB** organized by **Koo International Co. Ltd., Japan** '12
- Proficient at playing **guitar**
- Successfully completed **Trekking Camp** Organized by **Indian Air Force** on the occasion of its Platinum Jubilee '07
- Won **silver medal** in Voice and Vision (group dance competition) at the **GeoFest International** which involved participation of more than **120 institutions** '08
- Designed RC-Circuit Bot, was in the leader board of Tech One Competition conducted by STAB '11
- Built a line follower bot by programming Arduino board, capable of following white line on black background '11
- Part of the Rubik's Cube Community that was registered in the Limca Book of Records for most number of people solving a 3x3 rubik's cube '11