



**Kshitiz Swaroop**  
**Aerospace Engineering**  
**Indian Institute of Technology, Bombay**  
**Specialization: None**

**100010026**  
**UG Third Year (B.Tech.)**  
**Male**  
**DOB: 16.08.1992**

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2012	8.20
Intermediate/+2	CBSE	Kalka Public School	2010	89.20
Matriculation	CBSE	St. Columba's School	2008	92.60

## Academic Achievements

- In class 12<sup>th</sup> received **Kishore Vigyanik Protsahan Yojna (KVPY)** scholarship from **Department of Science and Technology**, Government of India. This scholarship is awarded to **200 student all over the country** in recognition of their research potential and involves an annual award of **64000 INR** in class 12
- Qualified for the **national** stage of **Physics Olympiad**, among the top 300 students (among **top 1%** of the applicants)
- Amongst the **top 10%** candidates at the centre in Chemistry Olympiad
- Received **Certificate of Merit** from the Central Board of Secondary Education (**CBSE**) being amongst the **top 0.1%** candidates in **Social Studies**
- Currently pursuing a **Minor in Management**

## Positions of Responsibility

### ➤ Department Academic Mentor

- Amongst the 3 meritorious students selected to mentor department sophomores academically.
- Involves regular meeting with the mentees and keeping track of their academic progress and resolving their academic issues by organising and conducting help sessions and guiding the academically weaker students through the curriculum

### ➤ Internship Coordinator, Placement Cell

- Part of the institute Placement team and a group of 25 other internship coordinators responsible for procuring internship opportunities for the students
- Responsible for reaching out and coordinating with companies and universities to seek internship opportunities specific to the aerospace department for both third year and sophomore students

### ➤ Techfest

- Worked as a **Co-ordinator** in **Marketing & Media Department**, responsible for various Branding and Publicity requirements sponsors including the associate title sponsor in the fest leading a team of 6 organisers under me and brought in **sponsorship** worth **50000 INR**

## Internship

### ➤ Solid State Physics Lab , DRDO , Delhi

(May 2012- June 2012)

- Conducted a project on the design and development of “Thin Line Towed array “. The project involved developing an underwater acoustic sensor using an array of hydrophone for increased directivity. Devised a methodology for the array to be operational for multiple frequency bands while meeting the user performance criteria .

## Academic Projects

### ➤ Quiz Paper Creator

- Created an objective quiz paper creator and solver from a question bank in **C++**. The program could also analyze the student results for analysis by the teacher .

### ➤ Modern Large Classrooms

(July 2011 – November 2011)

- Did a semester long project on modern large classroom (for more than 100 students) as a part of the Engineering Design Course . Activities undertaken as a part of the project were stakeholder identification , QFD ,user surveys and culminated in the submission of a final design of the classroom in **Solidworks** .

## Programming Skills

- C,C++ , MATLAB , SIMULINK ,HTML , CSS
- Solidworks , Auto CAD

## Extra-Curricular and Cultural Activities

### ➤ Debating

- Represented IIT Bombay at The Pitch , AIL Mohali ending the tournament on 3-2
- Part of the hostel team that came **2<sup>nd</sup>** in the Speaking GC, winning 3 out of the 4 Debate GCs , awarded Hostel **Special Mention** for the same

### ➤ UDAAN

- **Volunteer** of ‘Udaan’ the **Aerospace Department's social outreach** program
- Conducted workshops for students of class 9<sup>th</sup> and 10<sup>th</sup> as part of the same involving basics of flight and other such activities

### ➤ Aero-modelling Club

- Gave a lecture on peculiar aircraft and their implications on aircraft designs in the institute. Have designed many rc planes for various competitions .