



Ayush Raj Singh
Aerospace Engineering
Indian Institute of Technology, Bombay
Specialization: B-TECH

100010037
UG Third Year (B.Tech.)
Male
DOB: 03/10/1992

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2012	7.31
Intermediate/+2	CBSE	RANI LAXMI BAI MEMORIAL SCHOOL	2009	84.20
Matriculation	CBSE	RANI LAXMI BAI MEMORIAL SCHOOL	2007	87.00

SCHOLASTIC ACHIEVEMENTS:

- Cleared JEE, AIEEE, UPTU.

KEY PROJECTS AND INTERNSHIPS:

- Summer (2012) Intern at **Indian Institute of Management, Lucknow.** (2012)
(Researched most of the papers on “Relationship of Mentoring on Performance and Citizenship Behaviour” published since 1985 and wrote a review paper under the guidance of Professor Shailendra Singh of HSS Department)
- Presentation given on **Air Crash Investigation** as a part of one course. (2011)
(Thoroughly researched on various air crashes and reasons)
- Developed **Crossword** program using C++ language. (2010)
(Used graphical user interface)
- **Water rocketry** project. (2011)
(Used water as a propellant for the rocket)
- Worked on a **Need Statement (Hostel notice board)** and made a useful design (after studying and going through every aspect related to hostel notice board like stakeholders, their needs, functional decomposition, QFD, Prototype). (2011)
- **Studio Project** (again worked on a **Need Statement** “bike helmets” by analysing existing helmets and facilities they doesn’t provide; **also** made several useful things **illustrating basic science principles** using scrap materials). (2011)

PARTICIPATION:

- Participated in **Track-mania** (recognized car racing competition of IIT Bombay) and made a remote controlled car and successfully completed the track. (2010)
- Made **water rocket** with 3 other people and participated in **Zephyr** (Aerospace department fest in IIT Bombay and secured 1st position. (2011)
(Our water rocket reached beyond 88 metres, the highest).

POSITION OF RESPONSIBILITIES:

- Worked as an **Organiser** in Tech Fest 2011 and as a **Coordinator** in Tech fest 2012 (One of the largest **technical fest** in Asia) **(2011 & 2012)**
 - Managed 10,000 people for three consecutive night events.
 - Represented IIT-Bombay for the visitors during the festival.
 - Coordinated a team of 40 organisers to put out the successful technoholix.
-

EXTRA CO-CURRICULAR ACTIVITIES:

- Was a part of **NSO** (National Sports Organisation of IIT Bombay) **(2010-11)**
Guitar team.
(Only 24 people were selected from around 200).
 - Participated in **Cricmania** (IIT Bombay's Biggest Cricket tournament). **(2011)**
 - Played **Kho-Kho** at inter school level. **(2005)**
 - Called for an **interview** by HUNGAMA TV in Hungama Captain's Hunt.
(Only 2 people out of 74 were called from my batch). **(2005)**
 - Got special mention in photography competition **I-CLICK** (Photography competition of IIT Bombay). **(2010)**
 - Participated in **Hostel Three Premiere Football League** (IIT Bombay's Football tournament). (Played an important role in taking the team to the finals) **(2010)**
-

SOFTWARE SKILLS:

- **Programming languages:** C/C++, HTML.
 - **Operating system:** Windows, Ubuntu.
 - **Software proficiency:** Microsoft office , Adobe Photoshop , Picasa , Matlab.
-

RELEVANT COURSES:

- | | |
|---|--------------------------------------|
| ➤ Calculus | ➤ Engineering Graphics & Drawing |
| ➤ Data Analysis and Interpretation | ➤ Workshop Practice |
| ➤ Computer Programming and Utilization | ➤ Introduction to Engineering Design |
| ➤ Fluid Mechanics | ➤ Introduction to Numerical Analysis |
| ➤ Introduction to Electrical and Electronics Circuits | ➤ Sociology |
| ➤ Control Theory | ➤ Basics of Visual Communications |
-

EXTRA SKILLS:

- GUITAR
 - PHOTOGRAPHY
 - CRICKET.
-

