



**Adarsh Laad**  
**Aerospace Engineering**  
**Indian Institute of Technology, Bombay**

**101030015**  
**UG Second Year**  
**Male**  
**DOB: 26-07-1992**

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2012	8.53
Intermediate/+2	CBSE	Advanced Academy	2010	90.60
Matriculation	CBSE	St. Jude's Hr. Sec. School	2008	87.60

## Academic Achievement

- Ranked among **top 1%** of the students who took the prestigious examinations of **IIT JEE and AIEEE**.
- Ranked among the **top 80 students** of the country who cleared the first phase of **KVPY 2010** which is given to the students having **exceptional attitude for research**.
- Scored **highest marks in Physics** (95/100) and **Chemistry** (96/100) in 10+2 level examination among 150+ students in School.
- Ranked **first** at district level in **MBD Talent Search Exam**.
- Was among the **top 5 students** of the department who had their **branch upgraded**.

## Projects Undertaken/Done

- **Immudation of Perylene-3,4,9,10-tetracarboxylic Dianhydride with various Amines** (May-June 2011)  
Summer project under **Prof. Dr. Rajneesh Misra**, Chemistry Dept., IIT Indore. It involved setting up of certain reaction to study the solubility of PDI with respect to different substituent's and studying their IR/UV spectroscopy for verifying the purity of the product. Learned several chromatographic techniques.
- **Tactical and Strategic Missile guidance** (Aug 2011-To date)  
Working on a project under **Prof. Dr. Hari B. Hablani**, Aerospace Dept., IIT Bombay. It involves developing several codes to analyze various parameters of missiles while tracking a target. Learned proportional navigation, Method of Adjoint, Homing Loop and Noise Analysis.
- **Graphical representation of solving Tower of Hanoi** (Jan 2011- April 2011)  
Course project under **Prof. Rushikesh Joshi**, Computer Science Dept., IIT Bombay. It involved applications of FLTK library in graphically representing the output of the C++ program of solving the Tower of Hanoi problem.

## Computing Skills

- Programming languages: **C++, FLTK**.
- Basic knowledge of **MATLAB, CHEMDRAW, DOCKLIGHT**

## Position of Responsibility

- **Coordinator, Operations team, E-Cell** (Entrepreneur cell of IIT Bombay). (July 2011- To Date)
  - Responsible for execution of all the E-cell activities.
- **Organizer, Event Organizing Team, TECHFEST 2011**, (Annual technical festival of IITB).
  - Organized all the competition of the **Biggest Technical Fest** in Asia.
- **Organizer, Chem. IQ 2011 (Annual Chemistry Olympiad Chemistry Department, IIT Bombay)**.
  - Contacted several coaching centers in Mumbai for sighting the active participation of students.

## Courses Undertaken/Done

### ➤ DEPARTMENT COURSES

Introduction to Aerospace Engineering, Aerospace Measurement Laboratory, Introduction to Engineering Design, Fluid Mechanics, Thermodynamics, Aerospace Structural Mechanics, Modeling and Simulation Laboratory, Solid Mechanics.

### ➤ NON DEPARTMENT COURSES

Computer Programming and Utilization, Introduction to Electrical and Electronic Circuits, Differential Equation (II), Calculus, Introduction to Numerical Analysis, Marketing Management, Experimental and Measurement Laboratory, Data Analysis and Interpretation, Differential Equations, Linear Algebra, Physics Lab, Chemistry Lab.

## Key Extra Curricular Activities

### ➤ Academics

- Has been awarded an outstanding **AA** grade in computer programming and utilization, Aerospace measurement laboratory, Differential Eqn. II , Electrical and Electronic circuits, physics lab, chemistry lab.
- Undertaken a course in **Marketing Management**.
- Took part in several technical competitions of IIT Bombay such as “**RC Plane**”, “**F1 Car Racing**” and “**Line Follower**”.
- Attended **Vijyoshi Camp** organized by **IISc Bangalore** to promote research among the students.