



**Bharat Monga**  
**Mechanical Engineering**  
**Indian Institute of Technology, Bombay**  
**Specialization: Computer Aided Design (CAD) & Automation**

**100010061**  
**UG Second Year**  
**Male**  
**DOB: 11-11-1991**

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2012	9.15
Intermediate/+2	CBSE	Swami Sant Dass Public School	2010	91.60
Matriculation	CBSE	Swami Sant Dass Public School	2008	89.60

## SCHOLASTIC ACHIEVEMENTS

- Secured an all India rank of 187 (99.03 percentile) in 11<sup>th</sup> National Science Olympiad 2008
- Secured 14<sup>th</sup> Olympiad rank in International Olympiad of Science 2009
- Secured an all India rank of 1351 (99.71 percentile) in JEE 2010
- Secured an all India rank of 624 (99.93 percentile) in AIEEE 2010
- Awarded AP grade given to 8 in 880 in a course on 'Linear Algebra' 2011
- Pursuing minor in Management Studies

## INTERNSHIP AND ACADEMIC PROJECTS

- **R&D Department - Planceess EduSolutions Pvt. Ltd. 2011 (Internship)**  
Developed study material for engineering college aspirants covering all topics of JEE and AIEEE.
- **GUI program 2011**  
Developed C++ based GUI program which generated bohr model of the atom along with its properties when corresponding atomic number was entered by the user
- **Track Mania 2010**  
Made remote controlled model car having two degrees of freedom  
Made use of L293D circuit for driving motors
- **Zephyr 2010**  
Made rocket glider using water and compressed air as propellant. Added fins to increase stability and flight time. Rocket was streamlined to reduce drag.

## POSITIONS OF RESPONSIBILITY

- **Assistant Marketing Manager - Planceess EduSolutions Pvt. Ltd.**  
Work Profile: To increase reputation of company through internet marketing. To help in setting Tie ups for the company. To organise seminars for school students about IITs
- **Coordinator, Mood Indigo 2011**  
Worked as Horizons co-ordinator in Mood Indigo (Asia's Largest College Cultural Festival). Invited students from Spain, Poland, Turkey and Indonesia to showcase their country's rich cultural heritage.
- **E-Cell**  
Working as operations co-ordinator in E-cell

## COURSES

### CORE:

- Engineering Graphics & Drawing
- Solid Mechanics
- Thermodynamics
- Engineering Metallurgy
- Fluid Mechanics I
- Strength of Materials
- Manufacturing Processes I

### Breadth:

- Computer Programming and Utilization
- Introduction to Electrical and Electronics Circuits
- Data Analysis and Interpretation
- Calculus and Differential Equations
- Numerical Analysis
- Experimental and measurement Laboratory

## EXTRA CURRICULAR ACTIVITIES

### As a member of NSS team 2010-2011

- Organised campaign for clothes collection in the campus to help the poor and flood affected people
- Interacted with villagers trying to solve their problems on field trip to Vihigaon
- Visited NGO 'Rural Communes' and studied how their members helped rural people in agricultural development and training

## COMPUTER SKILLS

- Operating systems - Windows and Ubuntu
- Languages known - C++, HTML
- Software Packages - Solid Works, MATLAB, MS Office