



Himanshu Gupta
Aerospace Engineering
Indian Institute of Technology, Bombay

08001008
UG Third Year (B.Tech.)
Male
DOB: 28/07/1991

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2011	6.53
Intermediate/+2	Rajasthan Board	Maa bharti vihdya Mandir, Kota	2007	86.62
Matriculation	Rajasthan Board	Govt. Sr. Sec. School, Bayana	2005	92.83

SCHOLASTIC ACHIEVEMENTS

- Stood at **15th MERIT** position in the **Secondary Examination** of Rajasthan state board in 4,50,000 students. 2005
- Secured **AIR 1078** in **Joint Entrance Examination (JEE)** among 4 Lac students and got admission in IIT Bombay. 2008
- Secured **AIR 2265** in the **All India Engineering Entrance Examination (AIEEE)** among nearly 5,00,000 students and spent first 2 semesters at **NIT JAIPUR** studying computer science and engineering. 2007-2008
- Awarded as **The Brightest Student** of the town by Sub Division Officer of the district. 2005

KEY ACADEMIC PROJECTS

SUMMER PROJECT, SMC GLOBAL SECURITIES LTD.

June-July 2011

Topic :- Standard operation procedures , Guide :- . Kuntal Bhat, Asst. Vice President, Business development, SMC Mumbai

- **Assembled** and **documented** a Sub-broker Kit for franchisees which contained CRF manuals, Demo forms, Back-office software manuals and check-lists.
- **Analysed** working of Risk management solutions (RMS) department and **modified** RMS policy manual.
- **Observed** Functioning of Trading software **ODINTM** and documented a manual on it for beginners.

SUMMER PROJECT, IIM AHMEDABAD

May-Jun 2010

Topic :- Study of Passenger Facilities and Navigation at Ahmedabad Airport , Guide :- Dr. Dileep Mavalankar. IIMA

- **Analysed** Passenger flow and facilities in Domestic and International Terminal.
- **Interviewed** Passengers and Airport Authorities to improve the Existing Facilities.
- **Simulated Queuing Model** at international terminal.
- **Observed** Functioning of **TAR** and **ARSR** at Approach Control in **ATC**.

SUPERVISED LEARNING, IIT BOMBAY

Jan-Jun 2010

Topic :- Rijke tube analysis , Guide :- Prof. S D Sharma, Aerospace Department, IIT Bombay

- **Analysed** the **Behaviour of Sound Mechanism** inside Rijke tube by varying fuel rate & suction rate.
- **Calibrated** the pressure transducers with the help of **NI LABVIEW 7.1** software and Data acquisition card.
- **Measured Heat flow rate** inside the Rijke tube at different pressures by varying fuel flow rate.
- **Simulated** the **Temperature Variation** Axially and Diametrically inside the Isolated Rijke tube.

AUTUMN SEMESTER PROJECT, CSE DEPARTMENT, IIT BOMBAY

Aug-Nov 2008

Topic :- Manage Bank Accounts , Guide :- Prof. Abhiram Ranade , CSE Dept. , IIT Bombay

- Programmed by **C++ Programming** language.

- Project involved the Programing for basic **Bank Facilities** like open a new account, depositing and withdrawing money, account details, cancelling of account etc.
- Nominated for **Best Performance** in my team for the project work.

POSITIONS OF RESPONSIBILITY

WEB MANAGER, AEROSPACE ENGINEERING ASSOCIATION (AEA), IITB

Apr 2010-Apr 2011

- **Structured** Department **Annual Aviation Festival** website "**ZEPHYR 2011**" which contained information of competitions, workshops and online registrations. **Link ::** <http://www.aero.iitb.ac.in/zephyr/>
 - **Actively Involved** in AEA Meetings and **Managed** Aerospace Activities in the Department.
 - **Designed AEA Website** which is having a database of Student Activities, Academics Projects and Library book details. **Link ::** <http://www.aero.iitb.ac.in/aea/>
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HOSTEL MAINTENANCE SECRETARY

2009

- **Lead** the hostel for Hostel Maintenance meetings in institute.
 - **Met with Senior Executive Engineers** of electrical, civil for new **initiatives** in hostel.
 - **Planned and Executed Initiatives** like Hostel cloth Dryers, Water Coolers of Budget 1 lakh INR.
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KEY ACADEMIC-COURSES UNDERTAKEN

♦ Propulsion Theory	♦ Thermodynamics
♦ Fluid Mechanics	♦ Computing of High Speed Flows
♦ Flight Mechanics I and II	♦ Aerodynamics
♦ Aerospace Structural Mechanics	♦ Solid Mechanics
♦ Control Theory	♦ Space Flight Mechanics
♦ Introduction to Numerical Analysis	♦ Electronics and Electrical Engineering

WORKING SKILLS

- Proficient with C, C++, HTML, CSS , JSP.
 - Have used **Adobe Photoshop, Dreamweaver, Joomla , Drupal** for Website designing.
 - Proficient with the Scientific software like **MATLAB 2009** and **SOLID WORKS 2009**.
 - **Learning** Fluent and Gambit.
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EXTRA - CURRICULAR ACTIVITIES

- Selected in 40 top footballers among 700 students in institute and successfully done **NSO Football** course in the year 2008-2009 in IIT BOMBAY.
 - Regular player of **Squash, Football, Badminton** etc.
 - Completed the **Dance course** in summer 2009 and active member of hostel dance activities.
 - Keen Interest in **Photography, Script writing, Dramatics and Adventure tours**.
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DECLARATION

I hereby **declare** that the information written is true to the best of my knowledge and in case of any discrepancy I shall be held responsible.