



Kumar Saumya
Mechanical Engineering
Indian Institute of Technology, Bombay
Specialization: Computer Aided Design (CAD) & Automation

10D100037
UG Third Year(Dual Degree)
Male
DOB: 12.11.1991

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2012	6.07
Intermediate/+2	CBSE	R.K. MISSION,DEOGHAR	2009	88.00
Matriculation	ICSE	MOUNT ASSISI SCHOOL,BHAGALPUR	2007	91.00

SCHOLASTIC ACHIEVEMENTS

- Cleared **IIT-Joint Entrance Examination 2010** and got placed in top **0.2%** of about 4.72 Lakhs Candidates applying for the test.
- Got an aggregate of 92.33% in 12th Board exam.(PCM)
- Got a state rank of **916** in JCECE.

INTERSHIPS AND PROJECTS

ANEEDO (INTERNSHIP)

(Summer-2011)

Guide: Prof. Ganesh Ramakrishnan (CSE department, IIT Bombay)

- A group project started under the supervision of Professor Ganesh Ramakrishnan together with IIM Ahmedabad students and UG as well as PG students of CSE department, IIT Bombay.
- Did the work of analysing the marketing and branding policy of various sites.
- Brought new ideas and features to be added to ANEEDO to make it better than its competitors by analysing the various policies of the competitors.

WORD FINDING(PROJECT)

(Spring 2011)

Guide: Prof R.K. Joshi (Department of Computer Science and Technology)

- Created a C++ program used for searching any possible word from the dictionary in such a way that user enters a word with some missing characters and gets all possible output.
- This program was built in very few lines and can be used by detectives for searching words when they get a clue and was appreciated for making the program in few lines.

TECHNICAL SKILLS

- **Operating Systems:** Windows XP, Windows 7
- **Languages:** C, C++

COURSES UNDERTAKEN

- **Applied Mechanics:** Engineering Mechanics, Solid Mechanics, Strength of Materials, Solid Mechanics Lab, Automation Control Engineering
- **Manufacturing:** Engineering Metallurgy, Manufacturing Processes I & II, Workshop Practice, Manufacturing Practices Lab, Manufacturing Processes Lab, Industrial Engineering and Operational Research I, Rapid Product Manufacturing
- **Thermals & Fluid:** Thermodynamics, Heat Transfer, Fluid Mechanics I, Fluid Mechanics Lab
- **Applied Mathematics:** Calculus, Linear Algebra, Numerical Analysis, Differential Equations
- **Interdisciplinary Courses:** Data Analysis and Interpretation, Computer Programming & Utilization, Introduction to Electrical & Electronic Circuits, Economics, Modern Physics, Philosophy, Psychology of Health

POSITIONS OF RESPONSIBILITY

- ❖ **Maintenance Councillor, Hostel 9** (April 2011-Present)
Elected as maintenance councillor to manage and co-ordinate with hostel inmates to ensure clean and safe environment of the hostel.
 - Heading 3 secretaries to carry out all maintenance related problem of the hostel.
 - Representative of the Hostel in Institute Maintenance Committee.
 - Renovated Canteen and Gym of the Hostel by bringing out Infrastructural changes such as extension of canteen area and also ensured that painting and rewiring of the gym and canteen was done at proper time.
- ❖ **Maintenance Secretary, Hostel 9** (August 2011-April 2012)
 - Ensured that problems related to maintenance such as lights, fans, washing machines, were resolved at the earliest.
 - Managed a lot of human resources like housekeepers, plumber, electrician, gardener, canteen owner such that they work properly and effectively.
 - Brought necessary assets of the Hostel such as dryer, washing machines and water-cooler.
 - Got **Special Mention** for **Organisational** skills for Hostel 9 as an appreciation for completing my duties successfully.
 - Got **Special Mention** in **PAF (Performing Arts Festival) 2012** as an appreciation of my extra efforts.
- ❖ **Co-ordinator Techfest 2012**
 - Made arrangement for accommodation of participants during Techfest.
 - Managed the crowd after the event when there was so much rush as everyone wanted to collect things from cloak room at the earliest.
- ❖ Worked as an **Organizer** under **Hexapod (workshop)** Department of Techfest 2011.
- ❖ Coordinator of **Student Alumni Relation Cell – 2011**.
- ❖ Worked as **Co-ordinator** in **Entrepreneurship – Cell 2012** under “**Corporate Relations**” Dept.

EXTRA CURRICULAR ACTIVITIES

- **National Service Scheme (NSS)** (Session 2010-11)
 - ❖ Educational Outreach: Taught basics Maths to poor children at campus school.
 - ❖ Did survey in villages and discussed problems regarding their basic necessities.
 - ❖ Collected clothes for poor people from IIT inmates.
- Has been a part of winner volleyball team in my school.
- Won English Debate competition in 2006.
- Has been selected to represent hostel in table tennis (only 6 people from the hostel are selected).
- Participated in the **Institute Wide F1 racing Competition**. To develop a remote controlled mini racing car.