Ashish Rathi
Mechanical Engineering
Indian Institute of Technology, Bombay
Specialization: Computer Aided Designing (CAD) and Automation

08D10013
UG Fourth Year (Dual Degree)
Male
DOB: 29 March, 1990

Examination	University/Board	Institute	Year	CPI/%
Graduation	IIT Bombay	IIT Bombay	2011	7.85

ACADEMIC ACHIEVEMENTS

- Secured an All India Rank (AIR) of 520 in the national level entrance exams for the IIT's *2008*
- Recipient of the **AIEEE Merit Scholarship** (350 awardees among 500,000 candidates) for securing an All India Rank of 150 and State Rank (Maharashtra) of 10 in the AIEEE Entrance Exam *2008*
- Among the top 0.1% students short-listed for the **International Chemistry Olympiad** *2008*
- Ranked 49th in the country in the **National Science Olympiad** *2007*

POSITIONS OF RESPONSIBILITY

Manager, Techfest *Mar'2010 - Feb'11*
Techfest – Asia's Largest Science and Technology Festival (Budget: INR 13.2 million; Footfall: 85,000)

Management
- Led a two-tier team of 180 students to conceptualize and execute on-the-spot events to engage the 85,000 strong crowd on campus, receiving national coverage on MTV for the first time

Events
- Organized more than 25 events on a shoe-string budget of INR 1.0 million
- Spearheaded the association with San Diego based Virtusphere Inc for the first Indian demonstration of the 440 pound virtual simulator

Initiatives
- Established a platform for mentoring and funding to **160** social entrepreneurs by initiating social entrepreneurship competition 'Verizon' resulting **four ideas funded** by **Unlimited India**
- Initiated 'India Unmute' Campaign **(now conducted at Indo-Pak level)** by coordinating with more than **60** top colleges to collect ideas and visions of future India

Mess Secretary, Hostel 5 *July'09 – April'10*
- Worked as the mess secretary of my hostel and managed the messing facilities for around 400 students
- Awarded **Special Mention** for the extraordinary work

ENTREPRENEURIAL INITIATIVE

Director, Technology and Operations; Founding Member, netapedia.in *July'11 - Present*
A non-profit informative website aimed at socio-political awareness about the political leaders of India
- Devised and executed specific strategies targeted to reach and make aware politically inactive audience
- Compiled legal, political and financial details in structured manner from affidavits filed in election commission
- Applied Data Analytics to make the information more resourceful and far-reaching

INTERNSHIPS

Prime Technologies, Mumbai *May'11 – July'11*
Development of a three-axis Gear Testing CNC Machine
- Designed the tailstock and rotary table of the CNC Machine using Solidworks
- Developed an algorithm for the synchronization of the Y and R axis and simulated it on MATLAB
- Brought down the **estimated cost** of machine from **INR 5.5 million to 3 million**

KEY ACADEMIC PROJECTS

Karjat Taluka Public Transport System *May'11 – July'11*
A CTARA Project under the guidance of Prof Milind Sohoni, Computer Science Department
- Analyzed the need, demand of the transport system of Karjat and suggested measures to improve the same
- Studied in-depth the public bus transport system of Karjat and the nature of its operations
- Developed a model for the Karjat Bus Depot optimizing its services forecasting a **5% increase in efficiency**

Stereoscopic Depth Mapping of Images *July'11 – Present*
Course Project under the guidance of Prof Sanjay Pande, Mechanical Department
- Studying and analyzing the present methods of generation of 3-D images
- Developing an algorithm using C++ to match two similar images of a scenario to obtain its depth map

EXTRA – CURRICULAR ACTIVITIES

- Initiated 'Green Campus', an initiative by a student body towards eco-friendly measures in IIT Bombay campus
- Secured second position in the Line Following competition organized by Robocon club of IIT Bombay
- Represented my school at District Level Basketball Championship
- Passionate about novels and writing, have written articles for 'Insight', IIT Bombay's newsletter by students