



Shubham Sadavat
Civil Engineering
Indian Institute of Technology, Bombay
Specialization: Nil

110040024
UG Second Year
Male
DOB: 22/11/1992

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2012	7.51
Intermediate/+2	C.B.S.E	St. John's Sr. Sec. School	2010	87.00
Matriculation	C.B.S.E	K.V.No.1, Kota	2008	80.20

Scholastic Achievement

- Secured an **All India Rank 1268** in **IIT-JEE 2011**, out of 4.85 lakhs students who appeared for the examination
- Secured an **All India Rank 735** in **AIEEE 2011**, out of more than 11 lakhs students who appeared for the examination
- Pursuing **Honors** degree in Civil Engineering

Summer Internship

- **Kota Super Thermal Power Station (KSTPS) of 1240 MW capacity:** [May-June'12]
 - Learned about major parts of Plant like Wagon tippler, Coal crusher, Boiler, Furnace, Transformer etc. during fifteen days intern at KSTPS
 - Understand the working, operation and control system of plant with the help of **Simulator**

Academic Projects

- **IITB Transportation management project** [on-going]
Guide: Prof. Tom V. Mathew
 - Using **AUTO-CAD** for designing the map and construction of a suitable Bus-Bay
 - Optimising the Road congestion problem in IIT Bombay considering the sustainable development in campus along with 8 other students
 - Planning Bus-routes of around 30 buses for around 8000 students and faculty members
- **Square Wave Generator** [on-going]
Guide: Prof. S.D. Gupta
 - Analysing the **OPAMP circuit** and its application in project
 - Working on the circuit similar to Schmitt trigger circuit
- **Computer Programming and Utilization Project** [Nov'11]
Guide: Prof. Deepak B. Phatak
 - Successfully made the online quiz using C++
 - Initiated the idea and logic for the development of the project on C++
 - Wrote around 500 lines of code for the project in C++ language

Technical Skills

- **Programming Language:** C/ C++,
- **Software Proficiency:** AutoCAD, Matlab, Microsoft Office, Photoshop
- **Web designing:** HTML, CSS
- **Operating System:** Windows, Linux

Courses Undertaken

- Department Course: Engineering Mechanics, Solid Mechanics, Fluid Mechanics, Numerical methods in civil engineering
- Other Courses: Data analysis and Interpretation, Computer Programming and Utilisation, Economics, Differential Calculus, Differential Equation, Linear algebra

Position of Responsibility

- **Maintenance Secretary** of Hostel-6 [on-going]
 - Handled the budget of more than **2, 00,000INR** along with 2 more people as a maintenance secretary.
 - Brought the concept of **Cycle Pool** in hostel using waste and idle cycles.
- **Co-ordinator, Events, Student Alumni Relations Cell (SARC)** [on-going]
 - Organise and manage Freshmen Orientation
 - Publicity and Participation in “Phonathon” and contacted with more than 30 alumnus
- **Volunteer in Avanti Fellow**
 - Visited Schools within assigned regions and actively soliciting applications for Avanti fellows program
- **Organiser, Mood Indigo 2011**(*Asia’s largest College Cultural Festival*) [Dec’11]
 - Worked in the Marketing Department
- **Organiser, Techfest 2012** (*Asia’s largest College Technical Festival*) [Jan’12]
 - Organized the workshop of photography
- **Organiser, AAKAR 2012** (*Civil Department Festival*) [March’12]
 - Publicise and Organized the symposium and paper bridge competition

Extracurricular activities

- **Sports:**
 - Part of NSO-Lawn Tennis, IITB [2011-12]
 - One of the 5 members of **Winning Team** Institute Tennis Championship [March’12]
 - Part of the school **Kho-Kho** team and represented school at **regional level** [2005-06]
- **Social:**
 - **Discover Your Self Course** [Jan– Apr’12]
 - Successfully completed the six session course conducted by Centre for Heritage of Indian Culture and Education (CHOICE)
 - Attended camps organised by CHOICE at ISKCON, Juhu
- **Others:**
 - Part of IIT Bombay’s **World record** for most number of people(937)simultaneously solving **Rubik’s cube** [April’12]
 - Attended Workshop of Struds and ESRGSR at IIT Bombay by Aakar [March’12]
 - Completed **AWADH** (9 days mountaineering course in Nainital) [May’05]
 - **Other Interest:** Cricket, Chess, Trekking, Games(strategic), Mouthorgan