



Sachin Garg
Civil Engineering
Indian Institute of Technology, Bombay
Specialization: none

110040025
UG Second Year
Male
DOB: 7/06/1993

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2012	8.64
Intermediate/+2	CBSE	Maheshwari Public School	2011	94.00
Matriculation	CBSE	Maheshwari Public School	2009	96.50

SCHOLASTIC ACHIEVEMENTS

- Secured All India Rank **1232** in IITJEE 2011 with a percentile of **99.7**
- Currently ranked **4th** in the Civil Engineering Department (Batch of 112)
- Recipient of IIT-Bombay **Merit-cum-Means Scholarship**
- Awarded **KYPY Fellowship** (1 out of 100 fellows) by Dept. of Science And Technology, Govt. of India [2011]
- Selected among **top 1%** of students for **Indian National Chemistry Olympiad** conducted by HBSCE [2010]
- Selected among **top 1%** of students for **Indian National Astronomy Olympiad** conducted by HBSCE [2010]
- Selected among **top 30** students of the state (out of 50,000) for **Indian National Mathematics Olympiad** conducted by **NBHM** [2010]
- Awarded scholarship for being in **top 20** students (out of 20,000) in State Science Talent Search Exam (**SSTSE**) conducted by Dept. Of Science &Technology Govt. of RAJASTHAN [2009]
- Awarded a **Certificate of Excellence** by CBSE for being in the **Top 0.1%** in Informatics Practices [2009]
- Selected among **top 200** students out of 70,000 for **NTSE** final round [2007]

MINOR IN MANAGEMENT

- Pursuing a Minor Degree in Management from the **Shailesh J Mehta School of Management**
- Currently pursuing a course in **Accounting and Finance**

PROJECTS UNDERTAKEN

IIT-BOMBAY Transportation Management

Guide: Prof. Tom Mathew

[July 2012-Present]

- Aim to improve the Traffic congestion problems in major areas of the campus
- Analysing **environmental sustainability** and **socio-economic implications** of the project
- Planning Bus-routes of around 30 buses for around **8000** students and faculty members
- Using **AUTO-CAD** software for designing the map and construction of a suitable Bus-Bay
- Surveyed 500 students** and performed regression analysis on data using software package "Project R"

Traffic Light Control System

Guide: Prof. Siddhartha Duttagupta

[July 2012-Present]

- Aim at developing a single TRAFFIC-LIGHT signal which operates on red, amber and green LEDs in a correct sequence with proper timing and sound
- Using a 555-astable circuit to provide clock pulses for the 4017 counter
- Working on its commercial viability

Matrix Computers Trainee

[May-June 2012]

- Awarded **Certificate of Excellence** in **C++** after completing a 2 month training in Matrix Computers
- Understood key concepts like operator &function overloading, inheritance, classes

Shopping and Stock Management System using C++

Guide: Prof. Deepak Phatak

[July-Dec 2011]

- Led a 10 member team to develop Shopping and Stock Management System using C++
- Designed an online portal for shop management
- Coded selection and billing indents for customer and shopkeeper end

POSITIONS OF RESPONSIBILITY

Coordinator of Events, SARC (Student Alumni Relations Cell)

[July 2012-Present]

- Working in logistic and operation department of Events, SARC
- Contacted more than 100 Alumni's in an event "Phonathon"
- Convinced them for various initiatives of SARC and IITB

Organiser, Aakaar-2012 (Annual Department Festival)

[Feb 2012-March 2012]

- Involved in organization of Symposium and Competitions
- Organised on the spot event "Paper Bridge Making"

Organiser, Competitions, Techfest-2012

[Aug 2011-Jan 2012]

- Organised an event "Potentia" involving robots working on potential energy
- Brought more than 100 participation in competition and managed all the teams by recording and maintaining scores

Organiser, Food & Beverages, MoodIndigo-2011

[Aug 2011-Dec 2011]

- Involved in the execution and distribution of food for a student workforce of 800 and around 200 artists and judges
- Managed the food-stalls in the Food-fest held for the first time

COMPUTER AND SOFTWARE SKILLS

- **Programming Languages:** C, C++, Basics of Java
- **Software Proficiency:** Auto CAD, Matlab, Microsoft Office, Basics of ESRGSR and Struds
- **Web Designing:** HTML
- **Operating Systems:** Windows, Linux

KEY COURSES UNDERTAKEN

- **Civil Engineering Courses:** Engineering Mechanics, Solid Mechanics, Fluid Mechanics, Numerical Methods in Civil Engineering
- **Mathematics:** Calculus, Differential Calculus, Data Analysis and Interpretation, Linear Algebra
- **Management Course:** Accounting and Finance
- **Others:** Economics, Electrical and Electronics Circuits, Computer programming and Utilisation

EXTRA CURRICULAR ACTIVITIES

Cultural:

- Was a part of Prod team in **PAF-2012**(Performing Arts Festival)
- Was a part of **School team** for **Inter-School Dramatics** competition

Social Service:

- Was part of the "Green Campus" initiative of **NSS**(National Service Scheme)
- Transplanted more than 300 saplings and nurtured them throughout the year