



Ajay Sharma
Civil Engineering
Indian Institute of Technology, Bombay
Specialization: none

100040034
UG Third Year (B.Tech.)
Male
DOB: 01-07-1992

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2012	8.18

ACADEMIC ACHIEVEMENTS

- Secured All India Rank 887 in JEE 2010. Was in top 0.2% of around 4.56 lakh candidates
- Secured 5th Merit (95%) in Rajasthan in 10th class and was awarded **Silver Medal** by **Governor** of Rajasthan and also awarded Scholarship for the same.

PROJECTS AND INTERNS

Aker Power Gas Pvt.t Ltd. (Mumbai): (Design Consultancy) [May-June 2012]

- Modelled structures in **STAAD Pro** and confirmed result with numerical results
- Identified and revamped the discrepancies in **pile design** and developed the Design sheet to calculate the length of pile penetration in order to support the structure
- Developed design sheet for water particle velocity and also for fatigue analysis of different type of joints like K joint, T joint, etc.

Traffic Simulation and Analysis, IIT Bombay: [May-June 2011]

- Designed and Simulated the **Roundabout Interchange** and Simple intersection in VISSIM
- Upgraded the congested Simple Intersection into Roundabout Interchange in light of Delay time and Fuel Consumption
- Studied the basic Highway Geometric Design and Intelligent Transportation System

Strength Improvement of Pervious Concrete, IIT Bombay: [Aug 2012-On going]

- Aim to improve the strength of Portland Cement Pervious Concrete (PCPC) while maintaining the porosity by altering admixture ratios and make it **eco-friendly**.

POSITIONS OF RESPONSIBILITY

Maintenance Secretary:

- Coordinated with 6 different official departments of IIT Bombay e.g. hostel maintenance unit, etc. to carry on all the maintenance work of hostel smoothly
- Introduced a **complaint management portal** to increase the problem solving efficiency
- Convinced the authority to install the cupboard shelves and extra switch board in each room free of cost; whose budget was around **3 lakhs** rupees

MINOR DEGREE IN MANAGMENT

Currently pursuing **minor degree** in **Management**, following are the courses:

- Marketing Management
- Human Resources Management

EXTRA CURRICULAR ACTIVITIES

Social Work:

- Volunteered for **Polio Eradication Campaign** in Baseri, Raj., encouraged the parents to take their children to booths to have them pulse-polio doses
- Thus for increasing the no of children by **460** than last time at that booth, was awarded the **Certificate of Appreciation** by the district collector of Dholpur, Rajasthan

Others:

- **Phonathon:** Contacted with IITB alumni in the SARC's event Phonathon, which helped in **fund raising** and **searching mentors** for student alumni mentorship programme.
- Was part of organizing team of winning entry in PAF, the Inter-Hostel Dramatics festival of IIT Bombay, was awarded the **Organisational Special Mention** for the same.