



**Aditya Gupta**  
**Civil Engineering**  
**Indian Institute of Technology, Bombay**  
**Specialization: -**

**100040069**  
**UG Third Year (B.Tech.)**  
**Male**  
**DOB: 09/02/1992**

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2012	7.85

### Key Academic Projects:

**Statistical Downscaling for projection of rainfall:** [May-July '12]

[Guide: Prof. Subimal Ghosh]

- Simulated high resolution rainfall predictions for various SRES scenarios using the 'Statistical Downscaling' methodology.
- Integrated a new algorithm (KNN technique) into an already existing downscaling technique, thus improving the accuracy of prediction of rainfall state all over the Indian Territory.

**Case Study: Thermal Power Sector (Environmental Management)** [Aug'12- ongoing]

[Guide: Prof. Shyam R. Asolekar]

- To study the nature & kind of pollutions resulting from this sector of power production.
- Follow up on the conventional methods of addressing various pollutants of this sector.

**Computer programming and utilization (CS101 course project):** [Oct- Nov '10]

[Guide: Prof. Deepak B. Phatak]

- Conceptualized the algorithm for creating a virtual shared contact book using the concepts of object-oriented programming.

### Positions of Responsibility:

**Manager, Competition and Events, AAKAAR '13:** [May'12- ongoing]

- Responsible for designing, structuralizing and organizing the competitions to be held next year as part of the department technical fest.
- Accountable for the various workshops and seminars to be conducted during the fest receiving registration of over 500 participants.
- Re-structuralizing CIVIQ, the National Civil Engineering Quiz competition seeking participation of over 1000 civil engineering undergraduates from all across India.

### Technical Skills:

Programming languages: C++, HTML, CSS

**Proficient in:** MS Excel, MS PowerPoint, MS Word.

Softwares: MATLAB, AutoCAD

### Extra Curricular Activities:

#### Swimming:

- Was part of the National Sports Organization (NSO) 2010 swimming team comprising of approximately 32 swimmers.
- Swam 7.5 kms in around 6 hours in Swimmathon '11 and 5 kms continuously in less than 3 hrs in Swimmathon '12.
- Member of the hostel swimming and water polo teams representing it in the Institute General Competitions.

#### Other Interests:

- Member of the hostel hockey team representing it in the General Competitions.