



**Mohit Kumar Gupta**  
**Civil Engineering**  
**Indian Institute of Technology, Bombay**  
**Specialization: none**

**100040022**  
**UG Third Year (B.Tech.)**  
**Male**  
**DOB: 22/11/1991**

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2012	6.91
Intermediate/+2	RBSE	Maa Bharti Sr.Sec.School Talwandi,Kota	2009	86.76
Matriculation	RBSE	Sec.Adarsh Vidya Mandir	2007	92.00

### SCHOLASTIC ACHIEVEMENTS

- Secured **All India Rank 1149** in **IIT JEE 2010** among **4.75 lacs** candidates [2010]
- Secured **All India Rank 2743** in **AIEEE 2010** among **12 lacs** candidates [2010]
- Secured **2<sup>nd</sup> position** in **state level quiz** conducted by **Science and Technology Department Rajasthan** [2008]
- Secured **1<sup>st</sup> position** in district in **State Level Science Talent Search Examination** [2007]  
Conducted by **Rajasthan Board of Secondary Education**
- Awarded **Brilliant Student Medal** by **Saraswati shikshan sansthan** for two consecutive year [2006&2007]

### POSITION OF RESPONSIBILITY

- Core Team Member (CTM)** in **SARC(Student Alumni Relations Cell)** [March 2012 – present]  
in **Events** and mainly focusing on
  - **Logistics and operations**  
Dealing with corporates for different things to make an event happen  
Budgeted SAM (Student Alumni Meet, Annual event conducted by SARC) and many other events
  - **Handling of Accounts**
- Co-ordinator** in **Techfest 2012,IIT Bombay** [Oct 2011 – Jan 2012]  
Successfully organised a competition entitled **Potentia (participation of 60 teams)**
- Worked as a **Co-ordinator** in **SARC(Student Alumni Relations Cell), IIT Bombay** in **Events** as well as **Web & Software** department [2011]

### PROJECT UNDERTAKEN

- Basic Banking application(C++ course project)** [2011]  
Guided by **Prof. D. B. Phatak (Department of Computer Science & Engineering, IIT Bombay)**  
In this a team of 12 members made a Banking Interface using C++ programming &EZ Windows
- Aquifer Decontamination using MODFLOW and MT3D in GMS (Groundwater Modelling System)** [Dec 2011-july 2012]  
Guided by **Prof. Eldho T.I. (Department of civil Engineering, IIT Bombay)**
  - Developed groundwater flow model using MODFLOW and contaminant transport model using MT3D.
  - Devised Trial and Error technique for Pump and Treat method to study groundwater remediation.
  - Exercised conceptual model approach to change locations of pumping wells to get most efficient and effective design within the bounds of time frame and pumping rates.
  - **Live demonstration of GMS**  
Presented a live demonstration of GMS software to **engineers of Maharashtra government** in the training program guided by Prof. Eldho T.I.
  - **UG Research Symposium 2012**  
Presented a poster on above mentioned project which was honoured as **3<sup>rd</sup> best poster** of the symposium  
Out of 50 posters

### INTERNSHIP

- QEA Eduventure Pvt.Ltd.**  
Conducted seminars on carrier guidance and opportunities in various schools of Mumbai [Dec2011]

- **Ambuja Cements Ltd.** [May2012 – July 2012]
  - Developed a software on concrete mix design for **Indian standard method** using java Programming with GUI
  - Analysed different combinations for particle size distribution of cement and mortar material using **EMMA Mix analyser** software
  - Completed workshop on **Concrete and Material testing**
- **Princeton-IIT Faculty Survey,** [May 2012 – Jun 2012]  
**Department of Politics, Princeton University**  
 Implemented a survey for 2000+ pan-IIT Faculty to develop an insight on the difference in bureaucratic functioning (work culture, incentives) of Indian Govt. employees in IITs and otherwise

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## RELEVANT COURSES UNDERTAKEN

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- Computer Programming and Utilization, Engineering Mechanics, Fluid Mechanics, Solid Mechanics, Numerical Methods in Civil Engineering, Structural Mechanics, Hydraulics Engineering, Geodesy, Environmental Studies, Economics, Instrument and Measurement Laboratory, Soil Mechanics, Philosophy, Design of Structure, Water Resources Engineering

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## COMPUTER & PROGRAMMING SKILLS

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- Web Designing : HTML,CSS, basic idea of JavaScript and PHP,
- Language : C++,Core Java
- Software Efficiency : Adobe Photoshop, Sony Vegas 7.0,Microsoft Office, Netbeans, Groundwater Modelling system (GMS), Insight 3D, Emma mix analyser, Basics of AutoCAD, photostory 3, SAP2000
- Operating system : Windows & Linux

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## EXTRA CURRICULAR ACTIVITIES

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### LIMCA BOOK OF NATIONAL RECORDS:

- Participated in Rubic,s Cube Solving by 987 students of IIT Bombay at a time [March2012]

### CULTURAL:

- Stood **3<sup>rd</sup>** in **dramatics** competition in Freshizza(performed in a play) [Aug2010]
- Stood **2<sup>nd</sup>** in **Music video competition** in Freshizza (in which we made a video with limited Resources) [Aug2010]
- Enthusiastically participated in **face painting ,collage making ,group impromptu** (on the spot dram event),foot painting [Aug2010]
- Made a short film with 10 members team which was screened in **Film Fest** [Feb2011]  
**IIT Bombay**

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### TECHNICAL:

- Worked with a 4 member team to make a remote control car using RF circuit in track mania Competition [Aug2010]
- Worked with a 5 member team to make a bot that follows white line on black surface using micro controller board (arduino uno) and C++ programming [Nov2010]

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### ADVENTURE:

- Attended a Personality Development camp organised by RBSE for meritorious students in which there was a visit to **RANA PRATAP SAGAR DAM** and witnessed how electricity is produced by water [Dec2007]

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### SOCIAL:

- Volunteered in **Abhyasika**, IIT Bombay (A student initiative to teach children from the Phulenagar slum area) [Dec2011]

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### OTHER INTERESTS:

- Website development, Table Tennis, Ultimate Frisbee, Cricket