



Saubhagya Singh Rathore
Civil Engineering
Indian Institute of Technology, Bombay
Specialization: None

100040016
UG Third Year (B.Tech.)
Male
DOB: 23/12/1991

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2012	8.39
Intermediate/+2	C.B.S.E	Army School Kota	2009	89.00
Matriculation	C.B.S.E	Army School Meerut Cant.	2007	89.00

SCHOLASTIC ACHIEVEMENTS

- Secured **All India Rank 1391** in IIT-JEE 2010 among **4.5 lakhs** candidates. [2010]
- Awarded **Brilliant Student Medal** by Saraswati Shiksha Sansthan. [2008]
- Got Merit Scholarship under Education Scholarship Scheme for Army personnel (ESSA) by Army Welfare Education Society (AWES) for 4 consecutive years. [2006 to 2009]
- Selected in **top 16 in Rajasthan and Madhya Pradesh** in Vista Quiz (An Inter-State School level Quiz). [2007]
- Stood **2nd** in Science Quiz Competition organized by Department of Science and Technology (Government of Rajasthan). [2008]
- Achieved **AA grade (10/10)** in Engineering Mechanics, Solid Mechanics and Structural Mechanics I.

PROJECTS UNDERTAKEN

- **Aquifer Decontamination using MODFLOW and MT3D in GMS (Groundwater Modeling System)** (under the guidance of Prof. T.I. Eldho) – [Dec-Jun 2012]
 - 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 using GMS (Groundwater Modeling System) to change locations of pumping wells to get most efficient and effective design within the bounds of time frame and pumping rates of wells.
 - Presented the poster on above study in **UG Research Symposium 2012** which was declared **3rd best poster** of the symposium out of 50 posters.
 - Gave a presentation and live demonstration on “Use of GMS in studying various groundwater problems finding their solutions” to more than **100 Maharashtra Government Hydrology Engineers** (Class I officers).
- **Minesweeper game using C++** (under the guidance of Prof. D.B. Phatak) – [Nov 2010]
 - Made an interface between player and program using mouse click event handling functions as a part of project of making Minesweeper game using **C++** and **Ez Windows** in 12 member team.

INTERNSHIP

- **Edfora** [May-Jun 2012]
 - Worked as an evangelist to democratize learning by empowering and fostering sharing of content among the community. Edfora is a networking site for learning and education where students, teachers and parents can connect, share and interact.
 - Met some key stakeholders and convinced them to contribute towards educational content development for Edfora..
- **QEA Eduventure Pvt Ltd**- Conducted seminars on career guidance and opportunities [Dec 2011] in various schools of Mumbai

RELEVANT COURSES UNDERTAKEN

- EngineeringMechanics|SolidMechanics|Advance Solid Mechanics | HydraulicEngineering|Fluid Mechanics|Geodesy| NumericalMethods|Water ResourceEngineering|SoilMechanics |Design ofConcrete Structures|StructuralMechanics| Environmental Management |EnvironmentalStudies

POSITION OF RESPONSIBILITY

- **Core Team Member (Hostel and Department Affairs), Student Alumni Relations Cell** [Ongoing]
 - Leading a team of 14 Hostel Alumni Secretaries, and 11 Department Alumni Secretaries to organize Institute-wide reunions and other Alumni Events.
 - Being student HATS (Hostel Alumni Team Stewardship) representative streamlined various projects for Hostels under 5 year plan.
- **DAMP Mentor (Department Academic Mentorship Program)** [Ongoing]
 - Encouraging and guiding five 2nd year students having backlogs them through their academics
- **Hostel Alumni Secretary** [Aug 2011 to Mar 2012]
 - Meticulously planned and conducted Hostel Reunion of 1986 Batch in which [Dec 2011] Alumni from all over the globe visited Hostel.
 - Identified and implemented the Hostel music room sound proofing project for **1.2 Lakhs** Donation given by 1986 batch at reunion.
 - **Hostel Organizational Color** for significant contribution to the hostel organizational activities as Hostel Alumni Secretary

TECHNICAL SKILLS

- Programming Language: Basic Idea of C++ and Core Java
- Software Proficiency : GMS (Groundwater Modeling System), Dreamweaver, Microsoft Office, SAP2000
- Web Designing : HTML, CSS
- Operating System : Windows, Linux

EXTRA CURRICULAR ACTIVITIES

Cultural:

- Stood **1st** in **Dramatics** competition in Freshiezza (performed in street play). [Aug 2010]
- Stood **2nd** in **Music Video Making competition** in Freshiezza. [Aug 2010]
- Received **Special Mention** for extraordinary contribution to the Production Team of H-2 in PAF (Performing Arts Festival) 2012 [Feb 2012]

Tech:

- Made a remote control car using RF circuit with a team of 4 members in Trackmania Competition. [Aug 2010]
- Made a line follower Bot programmed through microcontroller in a 5 member team. [Nov 2010].

Social:

- **Volunteered in Abhyasika**, IIT Bombay
Helpedschoolgoingchildren of Phulenagar slum with homeworkand improved their basicconcepts and foundationskills.
- **Other Interests:** Horse riding, Lawn Tennis , Ultimate Frisbee ,Website Development