



Suryansh Shrivastava  
Civil Engineering  
Indian Institute of Technology, Bombay  
Specialization: none

100040074  
UG Third Year (B.Tech.)  
Male  
DOB: 13/04/91

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2012	7.84
Intermediate/+2	Jawaharlal Nehru School,BHEL	Jawaharlal Nehru School,BHEL	2009	88.80
Matriculation	Jawaharlal Nehru School,BHEL	Jawaharlal Nehru School,BHEL	2007	90.20

## OBJECTIVES

To work in challenging and motivating environment, where I can channel my knowledge and skills in an effective way.

## SCHOLASTIC ACHIEVEMENTS

- Secured All India Rank(AIR)-1078 in IIT- JEE 2010
- Secured All India Rank(AIR)-888 & State Rank-58 in AIEEE 2010
- Achieved All India Rank(AIR)-816 & State Rank-21 in 6<sup>th</sup> National Cyber Olympiad
- Awarded the CBSE Merit Scholarship by Govt. Of India among 322 individuals
- Ranked among top 1% candidates by Indian Association of Physics Teachers for National Standard Examination in Physics
- Got an aggregate of 95% in Physics, Chemistry, Maths in Class XII CBSE Board Exams.
- Awarded one High Distinction and three Distinction Certificates of merit in Australian National Chemistry Quiz during the course of 4 years

## POSITIONS OF RESPONSIBILITY

- Execution Panel (Enspace)**  
Worked in the team environment executing the **designing and publishing** of IIT-Bombay's entrepreneurship magazine Enspace. Authored articles, facilitated new columns and co-interviewed **Rashmi Bansal** (author-'Stay Hungry Stay Foolish') for Enspace . Played an influential role in publishing the magazine online.
- Coordinator - Techfest (Marketing)**  
**Solicited sponsorship deals** with various companies and universities on behalf of Techfest (Asia's largest Technical College Fest) .Was the member of the on-field team designated for quick resolution of problems during the festival requiring quick thinking & decision making capabilities.
- Coordinator - Mood Indigo (Horizons)**  
Worked in a dedicated team environment to organise and manage various events and exhibitions in Mood Indigo (Asia's largest Cultural College Fest)

## INTERNSHIP & PROJECTS

- Minerva Tower Project, Larsen & Toubro, ECC Division** [Jun-Jul,2012]
  - Interned at **Lokhandwala Minerva towers** Mumbai, an **82 floored, 441 crore** project
  - Appraised the structural & economical aspects of the **Automatic Climbing System(ACS)** ,used for the first time in India for accelerated construction of floors.
  - Developed a **construction plan**, adopting primary emphasis on cost & schedule control. Plan was divided primarily into expense categories with associated costs.
  - Exposed to various aspects of **Project Management & Execution** functions
  - Analyzed** AutoCAD drawings and examined the strength estimation of the pre-tension slabs.

- **Change-Point Detection using Standard Precipitation Index(SPI)** [Nov-Feb,2012]  
(Guide : Asst Prof. D.Raje)
  - Used **MATLAB** to apply **SPI technique** for Change-Point detection to all India monthly rainfall data(1951-2004) .
  - Applied **SPI** sequences for Change-Point detection of daily stream-flow data in Mahanadi river.
  - Transition probabilities for each period along with different variables calculated and then analysed
  - The results & data obtained will be used to develop a **simulation model for drought & flood** like scenarios in India .
  
- **Ashima Mall ,Optimization & Efficiency Management Pvt. Ltd** [May-Jun,2011]
  - Surveyed, reviewed and evaluated the structural, design & planning aspects of **The Aashima Lake City Mall** Bhopal, **6 lakh square feet** built up area
  - Gained insight and on-field experience by studying the implementation of ideas for Energy conservation on the site
  - Detailed analysis of various fireproofing techniques used in the building.
  
- **Computer Programming and Utilization(Project Leader)** [Oct-Nov,2010]  
(Guide : Prof. D.B.Phatak)
  - Supervised a team of 12 students and conceptualised a **Movie Library database** system
  - Devised an innovative algorithm to facilitate search using **block-wise search** algorithm
  - Generated new ways to reduce the complex data handling involved in such projects
  
- **Market Analysis (Economics)** [July-Nov,2010]  
(Guide : Ms. Haripriya Gundimeda)
  - Case study of **Operating Software market** to understand the market type, their demand/supply nature , marketing tactics and policy making
  
- **E-Surveying Workshop**
  - Successfully completed the **E-Earthwork Workshop** organised by **E-Surveying** at Aakaar 2011

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## **COURSES UNDERTAKEN**

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### **Core Courses**

- Structural Mechanics, Soil Mechanics Theory & Lab, Design of Structures – Theory & Lab, Water Resource engineering, Geodesy – Theory & Lab, Solid Mechanics, Fluid Mechanics – Theory & Lab , Engineering Mechanics, Hydraulics –Theory & Lab

### **Other Courses**

- Human Resource Management, Energy Resource Environment & Economics, Introduction to Renewable Energy Technologies, Data analysis and Interpretation, Experimental and Measurement Laboratory, Environmental Studies: Science and Engineering, Computer Programming and Utilization, Electrical and Electronic Circuits, Economics, Psychology.

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## **SOFTWARE AND PROGRAMMING SKILLS**

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- Operating Systems :- WINDOWS (XP, Vista, 7), UBUNTU (Linux).
- Programming Skills :- **C/C++ , SQL ,HTML**
- Software Skills :- Microsoft Office , **MATLAB** , AutoCAD Civil 3D 2010, Adobe Photoshop CS5

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## **EXTRA CURRICULAR ACTIVITIES**

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- Secured **3<sup>rd</sup>** position in **Institute Freshman Squash Tournament** 2010 helping the hostel attain **1<sup>st</sup> position** in the same
- Represented the hostel in **Institute Squash & Football General Competition** 2011
- Participated in a street play in **Freshizza 2010**, based on the theme of National Integration & Religious differences prevailing in India
- Made a short movie named “Dafaa 302” based on the theme of ragging. The movie was screened in **Theatre Fest 2010**, annual film festival of IIT Bombay.