



Suryansh Shrivastava  
Civil Engineering  
Indian Institute of Technology Bombay  
Specialization: CIVIL

100040074  
B.Tech.  
Male  
DOB: 13/04/1991

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2014	7.99

### SCHOLASTIC ACHIEVEMENTS AND ACCOLADES

- Awarded **CBSE Merit Scholarship (Top 300 in India)** for exemplary academic performance
- Awarded **"School Whizkid"** and **Gold medal - National Cyber Olympiad**
- Ranked among **top 1% in Physics - National Standard Examination**
- Merit **certificate of High Distinction - Australian National Chemistry Quiz**

### LEADERSHIP AND ORGANIZATIONAL EXPERIENCE

#### Placement Coordinator [2013-14]

- Represented **Civil Department** in the Core Placement Team to organize placement activities
- Acted as a **liaison between students** of diverse academic interests, **companies and the placement body**
- Responsible for **timely dissemination** of **placement** related vital information to the students
- Organized **preparatory activities** like lectures, quizzes, Buddy Talks, GD/PI sessions and workshops

#### Chief Editor - Department of Civil Engineering [2012-13]

- Co-authored the **Constitution** for Department of Civil Engineering
- Blueprint:** Revamped the Department Newsletter-Blueprint; **printed** it for the **first time**
  - Managed group of talented writers, keeping students and professors abreast of departmental activities
- Off-shore:** Spearheaded launch of first of its kind Department Magazine Script, Off-shore

### PROFESSIONAL EXPERIENCE

#### Bernard Ingenieure ZT GmbH , AUSTRIA [May-June,2013]

- Designed structural details of 32.8km, **\$2.4 billion Koralm**, 2 mono-directional **rail tunnel** in Austria
- Project having significant strategic importance; reduced travel time by 66% in trans-European corridor
- Achieved **15%** reduction of raw material cost while designing electrical conduits for the tunnel
- Awarded the **Letter of Recommendation** by the Head of Geotechnics and Tunneling department

#### Larsen & Toubro Pvt Ltd, ECC Division [June-July, 2012]

- Appraised the structural & economic aspects of **82 floor, INR 480 crore** Minerva Tower Project
- Assisted the team working with the **Automatic Climbing System (ACS)** (used first time in India)
- Optimized** the construction schedule model using **Critical Path Method (CPM)**

### KEY PROJECTS

#### Change-Point Detection, Standard Precipitation Index (SPI) [Dec-Jan, 2011-12]

(Guide – Prof. D.Raje)

- Applied Change-Point detection technique to determine the Standard Precipitation Index from a 53 year rainfall data in the Mahanadi river basin
- Results obtained used to develop simulation model for drought & flood scenarios in India

#### Pedestrian Simulation Modeling, Vissim | BTech Thesis [Aug-Present,2013]

(Guide – Prof. P.Vedagiri)

- Scenario analysis of microscopic pedestrian flow optimization in public spaces
- Calibration and validation of microscopic observables to inspect their effects on pedestrian behavior

### EXTRA-CURRICULAR ACTIVITIES

- Won **Gold, Institute Squash General Championship 2012** for the hostel
- Sports Color & Special mention** for sterling performances in Institute General Championships for hostel
- Team Member, **Inter-IIT Squash Camp 2012**
- Member of the **Execution panel 2011** for IITB's entrepreneurship magazine – Enspace
  - Co-interviewed **Rashmi Bansal** (author "Stay Hungry Stay Foolish")
- Made short movie "Dafaa 302" showcased in **Theatre Fest 2010**, annual film festival of IIT Bombay

### Interests

- Finished Standard Chartered Dream run marathon 2013, running Standard Chartered Half marathon 2014
- Pursuing German language course run by the office of Dean International Relations, IITB