



**Shikhar Daydar**  
**Civil Engineering**  
**Indian Institute of Technology, Bombay**  
**Specialization: None**

**100040015**  
**UG Third Year (B.Tech.)**  
**Male**  
**DOB: 1/4/1992**

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2012	5.99
Intermediate/+2	Maharashtra State Board	Santaji Mahavidyalaya	2010	85.60
Matriculation	CBSE	Modern School, Nagpur	2008	94.40

### SCHOLASTIC ACHIEVEMENTS

- Successfully cleared all **3** levels of **National Talent Search Examination (NTSE)**. (2008)
- Secured **State Rank 28** in 8<sup>th</sup> class **Maharashtra Talent Search Examination (MTSE)**. (2006)
- Secured **11<sup>th</sup>** Rank in **Maharashtra State Scholarship examination**. (2005)
- Awarded **Gold** medal for School **Rank 1** in **National Cyber Olympiad**. (2006)
- Stood **1st Runner-up** at **Horlics wizkid** General Quiz Competition. (2007)

### RESEARCH PUBLICATIONS: CONFERENCE & JOURNAL PAPERS

- **Evaluation of Continuous Flow Intersection Under Heterogeneous Traffic Condition**  
Presented in International Conference on Advances in Engineering and Technology – 2011 Published in IJTUD (**ACEE International Journal on Transportation and Urban Development**) Volume 2 Number 1 (April 2012 issue), id: DOI: 01.IJTUD.02.01.37 & Available in SEARCH Digital Library: <http://searchdl.org/index.php/journals/view/508>
- **Simulation Study of Continuous Flow Intersection Under Heterogeneous Traffic Conditions**  
Presented in **International Simulation Conference of India** (ISCI 2012), (Paper id: 35)

### PROJECTS UNDERTAKEN

- **Continuous Flow Intersection:**
  - It aimed at developing an innovative method to tackle the problems of **congestion and delays** at **4-arm and 3-arm** signalized intersections.
  - The project used **VISSIM** (microscopic multi-model traffic simulation software) for the design purpose as well as simulation purposes.(Civil Department Project under the guidance of Prof. P.Vedagiri). (Summers-2011)
- **C++ Project:**
  - The project was aimed at thoroughly understanding **C++** and **EzWindows**.
  - As a result we designed an animated and motion-enabled game of **“TETRIS”**Guide: Prof. D. B. Phatak (Autumn-2010)
- **Economics Term Paper:** Studied type of firms in market considering Automobile Industry by comparing various firm characteristics.  
Guide: Prof. Haripriya Gundimeda (Autumn-2010)

## RELEVANT COURSES UNDERTAKEN

- Engineering Mechanics | Solid Mechanics | Hydraulic Engineering | Fluid Mechanics | Geodesy | Numerical Methods | Water Resource Engineering | Soil Mechanics | Design of Concrete Structures | Structural Mechanics | Environmental Studies.

## INTERNSHIPS / TRAININGS

- **Ambuja Cements Pvt Ltd, Mumbai, India.**
  - Attained thorough knowledge of **Concrete** and learned different methods of **Concrete Mix Design**.
  - Developed a software using **JAVA** for **Concrete Mix Design Ambuja Method**.
  - Attended **workshops** on **Concrete Mix Design and Materials & Concrete Testing** held at Ambuja Knowledge centre. (May-July 2012)
- **QEA Eduventure Pvt Ltd, Mumbai, India-** Conducted seminars on **Career Guidance and Opportunities** in various schools for high school students. (2011)

## POSITIONS OF RESPONSIBILITY

- **Volunteer in Abhyasika, IIT Bombay**
  - Helped school going children with homework and improved their basic concepts and foundation skills. (2011-2012)
- **Coordinator in Techfest 2012, IIT Bombay**
  - Led a 5 member team to manage a competition event "**Potentia**" which saw participation of over 100 students (2011-2012)
- **Sports Secreteray**
  - Elected as **Hostel Sports Secretary** to ensure that the sports culture within the hostel remains healthy and to encourage participation from the hostel at institute level.(2011-2012)

## TECHNICAL SKILLS

- Software proficiency: VISSIM (microscopic multi-modal traffic simulation software),2011, Microsoft Excel, SAP2000 v15,NetBeans, Eclipse.
- Programming languages: C++,JAVA
- Web designing: HTML
- Operating system: Windows, Linux

## EXTRA-CURRICULAR ACTIVITIES AND OTHER ACHIEVEMENTS

### CULTURAL

- **Two National** records registered in **Limca book of National Record**
  1. For a synchronized group **Tabla** performance by **109 students** in a school cultural festival.
  2. For being a part of the largest group of **937** people solving **Rubik's cube** in half an hour.
- Made a short film with team of 10 members which was screened in Film Fest IIT Bombay named "**38**".I was the director of the short film. (Feb 2011)
- The script, screenplay and direction of a short film "**Innocence Lost and Found**" which was selected at **INDIA FEST** organized by **Channel V**. (Feb 2012)

## OTHER INTERESTS

- Movie Making, Writing, Sketching, Ambigrams, Football, Cricket, Reading.

