

Harshit Singhvi
Civil Engineering
Indian Institute of Technology, Bombay
Specialization: Structural
CPI: 7.18/10

09D04009
UG Fourth Year (Dual Degree)
Male
DOB-25/NOV/1991

SCHOLASTIC ACCOMPLISHMENTS

- Ranked 1662 nationwide amongst *half million students* (top 0.4%) who appeared for IIT-JEE 2009
- Ranked 562 nationwide amongst *one million students* (top 0.1%) who appeared for AIEEE 2009
- Awarded **Certificate of Merit** by Indian Association for Physics Teachers, for being placed in top 1%, in Rajasthan for **National Physics Olympiad** in 2009
- Recipient of **CBSE scholarship** on basis of AIEEE (₹12000 per year) in year 2010, 2011,2012

KEY PROJECTS

- **Centre for Environmental Research and Education (CERE)** [May-June 2012]
Research Intern
 - Worked in a 4 member team; Developed **resource kit**, with the goal of spreading environmental messages
 - Researched **Case Studies** documenting Energy Conservation success stories
 - Prepared **Energy Audit** tool in **Excel**; helping agencies to *estimate cost saving* using *energy efficient equipment*
 - Received a **recommendation** letter from the *Founder & Director* of CERE
- **Economic Value Analysis of Borivali National Park, Mumbai** [Spring 2012]
Guide: Prof. Haripriya Gundimeda
 - Implemented Zonal Travel Cost Methodology to determine the **economic value** of Borivali National park
 - Worked in a team of 30 member; *Surveyed* 300 park visitors, to identify variables for generating **model**
 - *Constructed* the demand function for the site; used **STATA**: Data Analysis and Statistical software on the information collected
 - *Estimated* and *quantified* the **economic benefits**, from the recreational services of the site
- **Finger Print Basis Identification** [Autumn 2009]
Guide: Prof. D.B Phatak, CSE dept
 - Implemented a part of software in **C++** which maintains student attendance records using *fingerprint scan*
 - Maintained a multidimensional array of all students obtained by image processing of finger print and pre-stored details of students
 - Various practical implementations like: taking *attendance*, *time* of entering and leaving class
- **Pepsi and Cola Rivalry: A Case Study** [Autumn 2009]
Guide: Prof. Haripriya Gundimeda
 - Studied history of Pepsi and Coke in India; problems they faced due to political environment in India
 - Analyzed their responses to **India's enormity**; marketing rivalry to gain market share
 - Qualitatively **reviewed** their profit in long run and **presented** a case study

RELEVANT COURSES UNDERTAKEN

- **Mathematics Courses**-Probability and Statistics, Numerical Method for Engineers, Data Analysis and Interpretation, Probabilistic and Statistical method in Civil Engineering, Calculus, Ordinary and Partial Differential equations, Linear Algebra
- **Economics Course**- Introduction to Economics, Environmental Planning & Development, Environmental Studies

EXTRA CURRICULAR ACTIVITIES

- Awarded '**B Grade**' certificate in **National Cadet Corp(NCC)**, under the authority of Ministry of Defense in 2010
- Secured **second** position in Fine Arts Institute General Championship for *designing* a robot in 2010
- Secured **first** position in Intra Hostel Line Follower Competition in 2009
- Secured **fourth** position in *Fine Arts* General Championship for *designing* Main Gate of IIT in 2011

SOFTWARE EXPOSURE

Coding - C/C++
Statistical Software: STATA, OriginPro 8
OS - Windows, Ubuntu
Comprehensive Knowledge of MS Office, MATLAB, Photoshop, ETABS