



TUSHAR SHRIVASTAVA
Civil Engineering
Indian Institute of Technology, Bombay
Specialization: NIL

110040039
UG Second Year
Male
DOB: 02-06-1993

| Examination | University | Institute | Year | CPI / % |
|-----------------|------------|---------------------------|------|---------|
| Graduation | IIT Bombay | IIT Bombay | 2013 | 7.21 |
| Intermediate/+2 | CBSE | ST. JOSEPH'S SCHOOL, KOTA | 2011 | 89.80 |
| Matriculation | CBSE | ST. PAUL'S SCHOOL, KOTA | 2009 | 91.80 |

SCHOLASTIC ACHIEVEMENTS

- Secured All India Rank of **1224** in IIT Joint Entrance Examination 2011 (**top 0.2%** out of **4,85,000**)
- Secured All India Rank of **4514** in All India Engineering Entrance Examination 2011 (**top 0.25%** out of **10,00,000**)
- Secured 10th rank in Insight National Talent Hunt, organized by Insight Institute, Kota.
- Secured 99 percentile in National Level Science Talent Search Examination (NSTSE-2009).
- Secured 96 percentile in International Mathematics Olympiad (IMO-2009).
- Secured 97 percentile in National Science Olympiad (NSO-2009).

INTERNSHIPS

- **Web Developer Internship at Motideals.com in Winter 2012-2013:**
 1. The role was to handle the entire backend along with parts of front end. Also at the end of the internship period an entire new interface along with a new website was developed.
- **Web Developer In-Semester Internship at trysmartsample.com:**
 1. The role was to maintain the website www.trysmartsample.com which is made on Zen-Cart framework.
 2. An android application was also made which takes user information and redirects the user to the website of trysmartsample.com.
- **Web Developer at Indiaonebrandservices.in:**
 1. The role was to maintain the website www.indiaonebrandservices.in. It is a static website made using basic web development tools.

POSITIONS OF RESPONSIBILITY

- **Web Secretary, Hostel 7, IIT Bombay** (2012-2013)
 - Administrator of the Hostel Website.
 - Designed various webpages for the Hostel such as Hostel Sports Page, Cult Page.
- **Department Web Nominee, Civil Engineering Association, IIT Bombay** (2013)
 - Administrator of the Civil Engineering Association website.
- **Coordinator, Rubik's Cube Club, IIT Bombay** (2012-2013)
 - Organized **Institute Cube Open**, an Institute wide competition of Rubik's Cube Solvers.
 - Organized various sessions to teach people to solve Rubik's cube.
 - Organized **Cubemania**, a National Cube Open, which was conducted during Techfest-2013, IIT-Bombay.
- **Organizer, Techfest-2012, IIT Bombay** (2012)
- **Organizer, Mood Indigo-2011, IIT Bombay** (2011)

TECHNICAL SKILLS

- **Programming Languages/Tools:** C/C++ , HTML, Java, CSS, JavaScript, AJAX, JQuery, PHP, Python
- **Operating Systems:** Microsoft Windows, Ubuntu (Linux)
- **Application Software:** Microsoft Office, Adobe Photoshop, MySQL, Adobe Flash, Adobe Dreamweaver, Eclipse, Matlab, Scilab.

WEB WORK

Websites made:

- www.shikshantariit.com – The website was user interactive and used various web tools like HTML5, CSS3, PHP, JQuery and AJAX.
- gymkhana.iitb.ac.in/~hostel7/7up_main – This website was made as the hostel Cultural page using Web tools like HTML5, CSS3, Javascript.
- www.motideals.com – This is a dynamic website which was made during winter internship. It was made using PHP, HTML, CSS, Javascript, JQuery and AJAX.

EXTRA CURRICULAR ACTIVITIES

- Was part of the **National Sports Organization** for Weightlifting. (2011-12)
- **Captain** of the **School Table Tennis team** which won district level tournaments twice. (2009 and 2010).
- **Captain** of the **District Table Tennis team** which participated in **State level** (Rajasthan) **table tennis** competition and stood 5th. (2010)
- Was a part of IIT-B group which made a world record of maximum number of people solving Rubik's cube together. (2011-2012)
- Founder member of **SHIKSHANTAR**- a startup educational organization by IIT-B students which is currently a tie up with AAKRATI EDUCATION PVT. LTD., a well-recognized educational organization of Mumbai.

PROJECTS

C++ Project (Guide: Prof.D.B.Phatak): (2011-2012)

- Created a Hospital Database Management System in C++ which was a GUI using EzWindows
- Used UID concept and authentication system in project development

RF Circuit powered vehicle: (2011-2012)

- Designed a wireless, RF Circuit powered vehicle under the programme **Techone**.
- The objective was to complete a track, with several mechanical obstacles, in minimum amount of time

Line Follower Bot : (2011-2012)

- Designed a line follower bot using IR-sensor and LED.
- The task was to follow a white track in minimum time.

Low Drift Integrator Circuit : (Guide: Prof. S. D. Gupta) : (2012-2013)

- Made a low drift integrator successfully using various electronic items.

RELEVANT COURSES

- **Core Courses:**
 - Solid Mechanics, Fluid Mechanics, Engineering Mechanics, Numerical Methods In Civil Engineering, Structure of Materials, Geodesy, Hydraulics Engineering
- **Lab Courses:**
 - Fluid Mechanics Lab, Heavy Structure Lab, Physics, Chemistry, Workshop Practice, Engineering Drawing, Computer Programming Lab, Geodesy Lab, Experimental and Measurement Laboratory, Hydraulic Design Lab
- **Other Courses:**
 - Computer Programming and Utilization , Introduction to Electrical and Electronics Circuit, Electricity & Magnetism, Data Analysis and Interpretation, Chemistry, Economics, Calculus, Linear Algebra, Ordinary and Partial Differential Equations, Environmental Studies: Science and Engineering