



**Civil Engineering**  
**Indian Institute of Technology, Bombay**  
**Specialization: none**

**UG Second Year**  
**Male**  
**DOB: 29 / 4 / 1996**

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2012	7.86
Intermediate/+2	RBSE	Krishna Vidhya Mandir School	2011	79.38
Matriculation	RBSE	Adarsh Vidya Mandir School	2009	78.67

## KEY PROJECTS

### MULTILEVEL INTERCHANGING DESIGN

[Aug'12-present]

Guide: *Prof. Sundar Lal Dhingra*

- Performed a detailed literature survey on interchange design; studied concepts of highway engineering
- Created a 4 level interchange design using MXROAD software including geometric and traffic design
- Added advanced features such as moving traffic to simulate real time traffic on highways

### AUTOMATIC HANDWASH

[Aug'12-present]

Guide: *Prof. Siddhartha Duttagupta*

- Designing a device to facilitate automatic flow of water on placing hands in front of tap
- Incorporating proximity sensors, times and motors controllers to implement the algorithm
- Highly useful for public places; Eliminates the requirement of opening/closing tap manually

### STUDENT INFORMATION SYSTEM

[Jul'11-Nov'11]

Guide: *Prof. D B Pathak*; Language used: C++

- Led a team of 6 to create a user friendly interface which takes login id and password and identifies the user as student, professor or non-teaching staff and specify the roles accordingly
- Incorporated data security features by encrypting the database to binary files
- Provided additional privileges to professors for finding all the information such as academic records, personal information etc of all students

## KEY COURSES UNDERTAKEN

- Solid Mechanics I
- Fluid Mechanics I
- Data Analysis and Interpretation
- Engineering Graphics & Drawing
- Computer Programming and Utilization
- Introduction to Electrical and Electronics Circuits
- Calculus
- Linear Algebra
- Chemistry
- Electricity & Magnetism
- Economics
- Differential Equations
- Solid Mechanics Lab I
- Fluid Mechanics Lab I

## SKILLS

- Programming Skills: C, C++
- Operating Systems: Windows, Linux
- Applications: Adobe Photoshop, MS Office, MXROAD, Scilab

## POSITIONS OF RESPONSIBILITY

### COORDINATOR, ENTRENEURSHIP CELL

[May'12 – present]

- Led a team of 10 organizers to conduct speaker sessions, workshops and business games like Virtual Stock Market for Entrepreneurship And Business Club
- Working toward fund raising for Eureka - biggest Business Plan Competition in the Asia-Oceanic region ,E-Summit by dealing with companies

### PROJECT COORDINATOR, *Student information system*

[Jul'11 – Nov'11]

- Led a team of 6 members to develop a portal to aid information dissemination between students and professors
- Conducted timely meeting & enumerated a detailed project plan for efficient completion of project
- Initiated the incorporation of security measures to ensure reliability of data

## ACHIEVEMENT AND EXTRACURRICULAR ACTIVITIES

### SPORTS

- Selected for INTER IIT cricket camp 2012 out of 200 students [2012]
- Successfully completed NSO cricket [2011]
- Secured **Gold** in Hockey and **Silver** in Cricket representing Hostel 3 in Inter Hostel General Championship for freshmen [2011]
- Secured **Gold** in Hockey Sophomore General Championship representing Hostel 3 [2012]
- Secured **12<sup>th</sup>** position in Cross country race out of 120 participants [2012]

### CULTURAL

- Participated in winning **PAF** (Performing Arts Festival) – The biggest Inter hostel cultural event and was awarded **PAF Special Mention** for contribution towards production
- Secured **2<sup>nd</sup> position** in district level singing competition, conducted by Vidya Bharati Akhil Bharatiya Shikshan Sansthan
- Secured **1<sup>st</sup>** position in Intra hostel Movie Spoof competition