



RONAK CHITTORA
Civil Engineering
Indian Institute of Technology Bombay
Specialization: None

120040020
UG Second Year
Male
DOB: 29-08-1994

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2014	7.78
Intermediate/+2	CBSE	Maa Bharti Sr. Sec. School, kota	2012	87.20
Matriculation	CBSE	Maheshwari Public School, Kota	2010	93.10

SCHOLASTIC ACHIEVEMENTS

- Secured AIR 936 in IIT-JEE 2012 among 500000 students
- Secured AIR 1538 in AIEEE 2012 among more than 1.1 million students
- Got selected for Kishore Vaigyanic Protsahan Yojana interviewed in class 12th
- Got State rank 5 and Olympiad rank 64 in International Science Olympiad in class 11th
- Got AIR 379 in final round of 12th National Science Olympiad in class 10th
- School rank 2 in 2nd International Mathematics Olympiad
- Currently pursuing honors in Civil Engineering

PROJECTS

- **Institute Technical Summer Project** (May 13 – Jun 13)
(Under Students Technical Activity Body, IIT Bombay)
 - Made a Gesture Controlled Bot in summers after 1st year. IMU (Inertial Management Unit) was used to get the angle of inclination from horizontal using Arduino coding
 - Used this information to move the bot in 8 different directions and also included two different modes to rotate the bot around its own axis and about one wheel
- **C++ Project** (Oct 12 – Nov 12)
(Under the guidance of Prof. Abhiram Ranade)
 - Programmed a game similar to **DX-Ball** using C++
 - Added graphics to the game homepage to make it more user friendly
 - There is a paddle at bottom and several different color blocks at the top of the screen
 - When we bounce a ball off the paddle it hits the block and the block disappears. Hitting all the blocks results in completing the level and going to the next
 - There are 3 levels in the game
- **Environment Science project** (Sep 13 – Nov 13)
(Under the guidance of Prof. Lokesh P. Padhye)
 - Analysis on **Recycling of wastewater: Towards sustainable solutions**
 - Analysis on Biological Treatment Method for recycling of wastewater
 - Use of recycled water for irrigation and drinking purposes
 - Current progress in India towards recycling of wastewater

POSITIONS OF RESPONSIBILITY

- Working as a **coordinator** at **Health and Safety** Division of **Team Shunya**
 - Team Shunya, a collaboration of Academy of Architecture and IIT Bombay, is the first Indian team to get selected in Solar Decathlon Europe 2014
 - Aims at building a net zero energy consumption house powered only by Solar Energy
 - Aims to change the meaning of comfortable and affordable living for the middle class Indian households
- **Technical Mentor** under Students Technical Activity Body for first year students
 - Helped freshmen to make a remote controlled bot for XLR8 competition
- Worked as a **coordinator** at **Mood Indigo**
 - Actively worked under competitions department (sub-division of mood indigo)
- Worked as an **organizer** at **Techfest** under exhibitions department
 - Helped in organizing exhibitions

COMPUTER SKILLS

- **Operating System**
 - Windows
 - Linux (Ubuntu)
 - Macintosh (Mountain Lion)
- **Software Skills**
 - MS Office
 - AutoCAD
 - Solid Works
 - Adobe Photoshop
 - Adobe InDesign
 - Adobe Muse
- **Languages known**
 - Good knowledge of programming languages C, C++, HTML and PHP

EXTRA CURRICULAR ACTIVITIES

- Designed a Remote Controlled Bot in XLR8
- Completed the B-Certificate course of National Cadet Corps
- Attended 10 days Annual Training Camp at IIT Bombay Organized by National Cadet Corps (Dec 12)
- Participated in Hostel Football League
- Represented hostel in Tug-of-war and Literary General Championships
- Represented hostel in Junkyard Wars General Championship and also won it
- Secured 2nd position in Inter-school Essay Competition organized by Rotary Binani Sabhagar (Jul 09)

INTERESTS

- Coding: Learning computer programming languages like PHP, JavaScript, Python and Android apps development
- Sports: Playing sports like football, cricket and volleyball
- Painting and learning new softwares