Ritesh Chaudhari | **100100014**
Mechanical Engineering | **UG Third Year (B.Tech.)**
Indian Institute of Technology, Bombay | **Male**
Specialization: None | **DOB: 22-NOV-1992**

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2012	8.56
Intermediate/+2	HSC	Abasaheb Garware college	2010	88.83
Matriculation	SSC	St.Aloysius' school	2008	92.61

ACADEMICS

- Secured **All India Rank 1854** in IIT-Joint Entrance Examination 2010 amongst about 4.7 lakh candidates .
- Secured **317 out of 450** marks in BITSAT 2010.
- Secured **177 marks out of 200** in MHT-CET 2010.
- Selected in the merit list of AIEEE 2010.
- School: 9th standard MTSE (Maharashtra Talent Search Exam) - 25th rank in Maharashtra state.
  8th standard MTSE - 12th rank in Maharashtra state.

TECHNICAL SKILLS

- Languages known: C/C++ , HTML
- Operating System : Windows, Linux (Ubuntu Distribution)
- Softwares known : MS-Office, Matlab, Solidworks (Basic knowledge) , Sony Vegas 7.0, Easyscope.

IMPORTANT PROJECTS

- ***Trackmania car*** **August 2010**

  Made a **remote-controlled car** which could pass obstacles.

- ***Hydraulic Bot*** **(Feb 2011 – Mar 2011)**

  (Guide : Maths and Physics Club IITB)

  A **robotic arm** having 3 degrees of freedom along with a gripper working on hydraulic principles**.**

- ***Lights out*** **(May 2011 – July 2011)**

  (Guide : Electronics Club, IITB)

  Designed a **game , lights out** in Electronics club summer project.

- ***TPIV algorithm Matlab coding*** **(May 2012 – July 2012)**

  (Guide : Prof. S.V.Prabhu

  REFERENCES: SUN,ZHOU AND MAHALINGAM , THERMAL PARTICLE IMAGE VELOCITY ESTIMATION OF FIRE PLUME FLOW ,YEAR 2003,PAGE 1293 -1316)

  Estimating the velocity of "THERMAL PARTICLES" using the measured temperature distributions in the fire given at two time instances by making use of the **THERMAL PARTICLE IMAGE VELOCIMETRY** (TPIV) algorithm.

POSITIONS OF RESPONSIBILITY

- Co-ordinator at the event Junkyard wars in *TECHFEST 2012* **JAN 2012**
- Organiser at *TECHFEST 2011* **JAN 2011**

COURSES COMPLETED

Core Courses (Mechanical Department)	*Other Courses*
• Engineering Mechanics • Engineering Drawing • Solid Mechanics • Thermodynamics • Engineering Metallurgy • Strength Of Materials • Fluid Mechanics • Manufacturing Processes • Solid Mechanics Lab • Manufacturing Processes Lab • Workshop Practice • Experimental Engineering lab • Fluid mechanics I • Solid mechanics • Manufacturing Practices Lab • Solid Mechanics Lab • Manufacturing Processes I	• Digital electronics(as a minor). • Economics • Linear Algebra • Differential Calculus • Modern Physics • Chemistry • Introduction to Numerical Analysis

EXTRA CURRICULAR ACTIVITIES

- **NCC** **(July 2010 – April 2011)**

  Member of **National Cadet Corps - 2 MAHARASHTRA ENGR. REGT**.