



Rakshith Shetty
Metallurgical Engineering & Material Science
Indian Institute of Technology, Bombay
Specialization: None

100110016
UG Third Year (B.Tech.)
Male
DOB: 18/12/1991

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2012	7.20
Intermediate/+2	C.B.S.E.	Rajhans Vidyalaya	2009	91.00
Matriculation	I.C.S.E.	Gokuldham High School and Junior College	2007	93.43

ACADEMIC ACHIEVEMENTS

- Secured a rank of **45** in the **State Level High-school Scholarship Examination**. [2003-04]
- Awarded **Gold** at the **Indian National Junior Chemistry Olympiad**. [2006]
- Was awarded with the **Student of the year** award in school. [2006-07]
- Secured an **All India Rank of 1607** in the **IIT Joint Entrance Examination 2010** amongst over **4,50,000** students. [2010]
- Secured an **All India Rank of 394** and **State Rank of 34** in the **All India Engineering Entrance Examination, 2010** out of about **10,00,000** students. [2010]
- Completed **6-credit** Minor courses each in **Analog Electronics, Power Electronics** and **Electronic Devices**.

INTERNSHIPS

JSW-Ispat Steel Ltd., Dolvi, Raigad.

Summer Intern (June-July, 2012)

Studied the entire Iron-making process in great detail right from the raw material stage to the finish product under the DGM-Blast Furnace Operations. I worked on-field, visiting all the areas of the plant and studying them.

POSITIONS OF RESPONSIBILITY

Co-ordinator, Pronites, Mood Indigo-2011.

(May,2011-December,2011)

Lead a team of Organizers to successfully co-handle a series of Music concerts over 4 days featuring International and National artists of great fame. Also co-organized Livewire, the biggest semi-professional band competition in India which is now at an International level.

Co-ordinator, Marketing, Techfest-2011.

(December,2011-January, 2012)

Lead a team of organizers to successfully handle sponsors, their branding and a set of events and lectures sponsored by them.

KEY PROJECTS

Hand Gesture Input Control Gloves.

Summer Project (2011)

Guide: Electronics Club-IIT Bombay

These gloves interpret **orientation** and **movement** of the **hand** and the **fingers** to control the **keyboard** and **mouse** functions of a computer. This has varied applications in **diverse** areas to **minimize human effort** and to **help** the **physically impaired**. This project involved the use of **Microcontrollers**

(ATMega-128), **Flex sensors** and **Membrane Sensors** and other electronic components and also the knowledge of **Java** and **C** programming Languages.

S.O.S. Game.

Course Project (Autumn, 2011)

Guide: Prof. R.K. Joshi

This game is similar to the popular **Tic-Tac-Toe** but **complex** because it involves a **larger grid** depending upon the **user's choice**. It involved an in-depth knowledge of **C++** programming and **Graphics** and highly complex analysis of various cases. This game was built on a **Linux Platform**.

Synthesizing a metal matrix (Cu-Ni-Co) through chemical means for Diamond tools.

Guide: Prof. Parag Bhargava

Semester Project (July 2012-present)

I am currently working on creating this matrix using a version of the Pechini method and by using pre-alloys. This matrix is to be used in diamond tools which have many industrial applications.

COMPUTER SKILLS

Knowledge of Windows and Ubuntu.

Programming : C, C++, JAVA, HTML, PHP.

Softwares : Microsoft Office, Adobe Photoshop, LT-Spice (Circuit Simulator).

EXTRA-CURRICULAR ACTIVITIES

Technical Activities.

- Won **Trackmania** (*Institute Level Competition ,a timed obstacle course racing event which also involved building the remote controlled bot*) in my First year. [2010]

Other activities.

- Stood **2nd** in the **Western Mumbai District, MARRS International -National Spelling-Bee completion**. [2008]
 - Worked as an **Organizer** in **Mood Indigo**, IIT-Bombay's annual cultural festival with a turn-out of over **70,000** students. [2010]
 - Worked as an **Organizer** in **Techfest**, IIT-Bombay's annual technical festival. [2011]
 - Good at **sketching, painting** and **cartooning**.
 - Played in the **IFL (Institute Football League)**, involving the best football players in the institute.
 - Playing sports like **Chess, Football, Carrom** and **Table-Tennis**.
 - Have a basic knowledge of **French** (Cleared the DELF A1) and am currently learning **German**.
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