



Neeraj saini
Metallurgical Engineering & Material Science
Indian Institute of Technology, Bombay
Specialization: Metallurgical Process Engg.

10D110053
UG Third Year(Dual Degree)
Male
DOB: 28/Mar/1991

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2012	6.39
Intermediate/+2	N.A.S Inter college	N.A.S Inter college	2009	70.00
Matriculation	N.A.S Inter college	N.A.S Inter college	2007	62.83

ACADEMIC ACHIEVEMENTS

- Among top **2%** in **IIT-JEE**, out of over **4,72,000** aspirants
- Secured **AIR 3967** in AIEEE 2010, out of over **1.07 million** aspirants
- Secured **946 rank** in **UPTU (Uttar Pradesh Technical University) examination 2010**, out of over 2,15,000 aspirants

KEY PROJECT UNDERTAKEN

Summer Internship- JSW Steel Ltd.

Guide: **Dr. Maruti Ram Kaza**, HOD (R&D and SS)

- Developed software to compute Analytical Predictions of shapes of Laminar Diffusion Flames, flame temperature and flame length for a given composition of fuel gas produced by mixed gas(**Corex gas** and **Blast furnace gas**) using Visual Basic (**VB**) programming language
- Verified these results with the plant data, and used of this programming to increase the flame length, flame temperature and flame shape in the **Reheating Furnaces**

Canadian National (CN) Tower Case Study

[Autumn '11]

Guide: *Prof K. Narasimhan*

- Analyzed the CN Tower structurally to understand various design parameters associated with the architectural marvel
- Simulated the model obtaining better results than the existing model

Experimental Techniques in Materials Science

[Spring '12]

Guide: *Prof. Parag Bhargava, Prof. Prasanna T.R.S.*

- Prepared the Alumina powder from the Alumina nitrate and ethylene glycol, and kept it different temperature and took XRD of the sample at different temperature and Scanning Electron Microscope (SEM) of the sample as well
- Documented a comprehensive and comparative report of the observations made against the theoretical data available

Computer Programming and Utilization

[Feb'10-Apr'10]

Guide: *Prof. Joshi Rushikesh K.*

- Developed a **2-D Car race game in C++** by using of switch statement

Carbon Nano-tube

[Jan'11-Apr'11]

Guide: *Prof. A.S. Panwar*

- Made a project of **Carbon Nano-tube** to understand various properties of it and represented its defects
- Simulated the model of **Carbon nano-tube** and explained how we can improve its property and use of it in different filled **Such as** Electrical circuits, Solar cells, Ultracapacitors, Medical and so on

POSITION OF RESPONSIBILITY

Hospitality and Infrastructure Manager, Padarth (Dept. Fest)

[July'12-Mar'13]

- Member of the Department fest **Padarth** and Responsible for all event conducted by Padarth Team
- Working on the “Liter of Light” to spread it across India which can help to the poor people to save the electricity

Organizer, Event, Mood Indigo

[Nov'10-Dec'10]

- Successfully organized many event in the “MOOD INDIGO 2010” for 3 days running simultaneously

Coordinator, Publicity, Techfest

[july'11-jan'12]

- Contracted and brought to 3-D artist first time in India for Techfest
- Conducted a work-shop of Car designing in which judges had come from “**Center for Automotive Research and Studies (CYPDC)**” and 120 student across the India participated in the workshop

School Outreach Volunteer, Avanti Fellow (Fellowship for underprivileged students in India)

- Making appointment to meet principals and students across Mumbai School to find the fellow from poor socio-economic backgrounds

Organiser, Marketing, Ecell

[Dec'10-jan'11]

- Registering on the registration desk of people during the event coming from the outside to participate in the event

EXTRA CURRICULAR ACTIVITIES

- Participated in the “**Insync's birthday**”, **Insync** is a Dance club in IIT-B
- Participated in “**The Annual Inter Hostel Weight lifting General Championship**” in 2011 and was in **Fourth Place**
- Joined the **Scout and Guide** in 2006
- Part of National Cadet Corps for 1 year and completed a 10 days camp

PROGRAMMING SKILLS

- **Programming** : HTML, C ,C++,JAVA, Visual Basic(**VB**)
- **Operating System** : Linux, windows
- **Tools** : Matlab, LabVIEW

OTHER INTERESTS

- Weight lifting, Cinema, Travelling, Scatting, Cricket, Trekking, enthusiast, solve logical problems & Music