



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	2013	6.48
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

PROJECT UNDERTAKEN

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 performed XRD and Electron Microscopy (SEM) of the sample at different temperatures
- 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

- Constructed a 3D model for **Carbon Nano-tube**
- Proposed to remove its crystallographic defects to improve its properties, high levels of such defects can lower the tensile strength by upto 85%

POSITION OF RESPONSIBILITY

Manager, Padarth 2013, Hospitality and Infrastructure

(Part of the 16 member managerial team for conceptualization and execution of Padarth 2013, annual materials science festival of the Indian Institute of Technology Bombay organized by the Department of Metallurgical Engineering and Materials Science)

- 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

- Contacted a 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

Coordinator, Marketing, Ecell

[Dec'11-jan'12]

- Involved contacting companies that were potential sponsors for the event and bringing them in.

Organizer, Event, Mood Indigo

[Nov'10-Dec'10]

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

RELEVANT COURSES COVERED SO FAR

- Data Analysis and Interpretation, Calculus, Theory of Machines and Machine Design, Computer Programming and Utilization, Modern Physics
- Materials & Technology, Thermodynamics of Materials, Experimental Techniques in Materials Science, Phase Transformation, Ceramics and Powder Metallurgy, Bio-Materials, Mechanical Behavior of Materials

EXTRA CURRICULAR ACTIVITIES

- Performed 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 secured **Fourth Place**
- Joined the **Scout and Guide** in 2006
- Part of National Cadet Corps for 1 year and completed a 10 days camp
- Track-mania: Engineered a wireless remote control bot for Track-mania

TECHNICAL SKILLS

- **Programming languages:** HTML, C ,C++,CSS,JAVA, PHP, Java Script
- **Operating System:** windows, Linux(Ubuntu)
- **Others:** MS-Office

OTHER INTERESTS

- Weight lifting, Travelling, Scatting, Cricket, Trekking & an avid puzzle solver

Declaration

- I hereby declare that the particulars given above are correct to the best of my knowledge and belief

Neeraj Saini
January 2014
IIT Bombay