



**Prithvijit Singh**  
**Metallurgical Engineering & Material Science**  
**Indian Institute of Technology, Bombay**  
**Specialization: Metallurgical Process Engg.**

**10D110051**  
**UG Third Year(Dual Degree)**  
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| Examination     | University                    | Institute                             | Year | CPI / % |
|-----------------|-------------------------------|---------------------------------------|------|---------|
| Graduation      | IIT Bombay                    | IIT Bombay                            | 2013 | 6.99    |
| Intermediate/+2 | DAV Model School Sector 15    | DAV Model School Sector 15 Chandigarh | 2010 | 91.60   |
| Matriculation   | DAV Public School Ambala City | DAV Public School Ambala City         | 2008 | 94.20   |

## INTERNSHIP:

### **Organisation: PT Invent Pvt. Ltd.(Soulflower) Duration: 1 Dec-31 Dec 2012**

Completed a winter internship in Soulflower, company based on aromatherapy which manufactures and sells aroma based products like soaps, essential oils, potpourris and ceramic diffusers. Working as a Marketing executive,

- ✓ Planned and executed niche marketing strategies which helped in the attainment of more profitability.
- ✓ Successfully implemented the concept of Guerrilla marketing for the company by devising unconventional ways and imbibing them into the current marketing framework.
- ✓ Customized the layout and content of company's corporate website.

### **Organisation: Tushky Travels and Pvt. Ltd. Duration: May-July 2012**

Completed a summer internship in the **product R&D** department of a well established travel agency.

- ✓ Designed and developed various adventure travel packages over the geographical area of Thailand.
- ✓ Contacted various travel agencies in Thailand and negotiated deals with them keeping in mind the aim of providing 'out of the box' packages at a very reasonable price.
- ✓ Solely conceptualised an entire package which included skydiving, scuba diving, bungee. The product was then crafted and made live on the company website.

## KEY ACHIEVEMENTS:

### **• Entrepreneurial Project in Material Science:**

Spearheaded a business plan in the field of material science as a part of academic curriculum. The plan focused on the innovation of a business idea along with the development of extensive entrepreneurial skills like working on the marketing and financial aspects of the start-up without compromising with the technical advancement being utilised in the project.

### **• Synthesis and Analysis of Spinel Structure:**

Prepared a sample of zeolite  $\text{MnFe}_2\text{O}_4$  in a crucible furnace. The sample was then reverse engineered using cutting edge scientific techniques to obtain various structural and compositional properties.

- X-Ray Diffraction(XRD) was performed on the sample to obtain the structure of crystal lattice.

- EDX was done to determine the composition.
- The sample was analysed under Scanning Electron Microscope to study its microstructure.

## ORGANISATIONAL SKILLS:

### • Coordinator at MOOD INDIGO 2011:

Worked as the coordinator for the annual cultural festival of IIT Bombay. Successfully supervised 3 events that were witnessed by more than 1000 people in the month of December. Earlier, during the semester contacted various companies and agencies for the sponsorship of the events and managed to convince one.

- Worked as a **part of Cultural team of Hostel-4**, IIT Bombay. Elected from over 150 first year students. Was responsible for promoting the role of cultural events among students at hostel as well as institute level.

## KEY EXTRA-CURRICULAR ACTIVITIES:

- Was awarded 2<sup>nd</sup> prize in 'ADMAD' the ad making competition at „Antaragani“ the annual cultural festival of IIT Kanpur for making an ad film on the topic 'Stop AIDS'
- Was awarded 2<sup>nd</sup> prize in the movie making competition at Malhar, the annual cultural festival of St. Xaviers Mumbai for making a short documentary on environmental crisis.
- Attended 1 day conference organised for the first time in India(Mumbai) by German company ADDI DATA(deals with industrial measurement and embedded systems)

## ACADEMIC PROJECTS:

### • Super market Billing Interface:

Completed the project using C++ Programming language under the guidance of Prof. R.K. Joshi, CSE Dept. IIT Bombay. The project aimed at the development of an integrated billing interface that can be used in retail stores for billing purposes.

### • Catenary Curves and Geodesic Dome:

Completed the Project under the guidance of Prof. K Narasimah, MEMS Dept. IIT Bombay. Studied the strength and mechanics of **catenary curves** being used in various structural developments. Customized an artificial structure of catenary curves exactly resembling the original one which is used in the **Geodesic Dome St. Cathedral London**.

## TECHNICAL SKILLS:

- **Programming languages:** C, C++, Basic HTML
- **Operating systems:** Windows, Linux