



Ayush Agrawal
Metallurgical Engineering & Material Science
Indian Institute of Technology, Bombay

09011043
UG Third Year (B.Tech.)
Male
DOB: 07/06/1990

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2011	8.08
Intermediate/+2	CBSE	Tagore School	2008	83.40
Matriculation	CBSE	Ramakrishna Mission Vidyapith, Deoghar	2006	92.80

POSITIONS OF RESPONSIBILITY

Manager, Events, Entrepreneurship Cell

April 2011 – Present

As Events Manager my work involves conceptualization of events and its execution. Coordinating with seven departments such as PR, Marketing is the major challenge of this profile

- Leading and Motivating 2-tier team of 30 coordinators and 50 organisers
- Handling a budget in excess of INR 4 million
- New Initiatives Taken
 - Introduced 15 nationwide workshop in key cities across India in Eureka 2011 (Asia's Largest BPlan Competition) for greater reach
 - Initiated a Social track to Eureka as Eureka Social to support Social Ventures
 - Launched a new club with twin motive of spreading awareness about entrepreneurship and developing the ecosystem by connecting the startups with resources
 - Conducting first ever TEDxIITB
- Tied-up with organisations for Eureka and Eureka Social
 - International : Grameen Creative Lab, Start Up Weekend, TiE Global
 - National : UnLtd India, Ashoka, Villgro, Dasra
- Convinced "Dell Social Innovation Competition" (World's largest Social BPlan Competition) and "Rice B Plan Competition" (World's largest BPlan Competition) for winner advancement of Eureka and Eureka Social
- Involved in conceptualization of Vultures Nest (funding platform for startups) and ESummit (Entrepreneurship Summit)

Team Head, Mini UID Project for IIT Campus

Autumn 2009

Project involved creating a database of all the people on IIT Bombay campus and allocating a unique ID for everyone which included biometric identification data. Project had four divisions in Registration, Biometric Identification, Database and Application

- Lead the team of 25 people responsible for Registration
- Coordinated with 3 other divisions for smooth functioning of project
- Incorporated data proofing and checked it by conducting dry runs

Class Representative

Autumn 2010 - Present

- Elected as the Class Representative of my department batch (strength 100+)
- Launched a website for better dissemination of notes and other related information
- Organised informal meets for effective interaction among large batch
- Awarded Department Organizational Mention for my work

Coordinator, Events, Entrepreneurship Cell

April 2010 – March 2011

- Responsible for "Startup Expo" at ESummit 2011. Got 6 of India's top Startups (included product startups) to showcase at the event
- Chosen as Manager for next core team from among 100 coordinators

INTERNSHIP

HelloIntern.com

May 2010 – June 2010

HelloIntern is a Startup which is an online platform for connecting intern seeking students and recruiters

- Worked in the Business Operations department and was involved in online marketing
- Made recommendations for better *Search Engine Optimization* which were implemented and led to an increase in *Page Rank* from 6 to 7 (max can be 10) and reduction in online marketing budget by 10%

Baidyanath Poly Tubes (P) Ltd.

June 2010 – July 2010

Baidyanath Poly Tubes is the manufacturer of PVC pipes

- Did feasibility study on UPS and Capacitor Bank system for the plant for a budget of INR 1 million
- Supervised the implementation of above project
- Lead to decrease in scrap by 90% and net reduction in electricity bill by 4%

ACADEMIC PROJECTS UNDERTAKEN

Role of Powder Metallurgy in Aerospace Industry

Autumn 2011

Guided by Prof. S Mallick

- Preparing a comprehensive report on the various alloys used in aerospace
- Detailed analysis of select powder metallurgical processes used in making the alloys
- Comparative study of numerous other metallurgical processes with powder metallurgy

Structural Analysis of WTC, New York

Autumn 2010

Guided by Prof. K Narasimhan

- Detailed structural analysis of World Trade Centre specifically its tube frame design
- Compiled data of various fire proofing methods used in the building and reasons of their failure
- Analysis of various theories with regard to failure of the building after the impact

Mini UID Project for IIT Campus

Autumn 2009

Guided by Prof. D B Phatak

- Created and handled database which included fingerprint recognition using C++
- Made a system for generating Unique Identification No. for everyone in IIT
- Optimised the code to achieve 10% reduction in memory usage and 15% in processing time
- Designed the registration interface and incorporated data proofing
- The project was modeled on the UID project for India

MATLAB Simulation for Heat Transfer

Autumn 2010

Guided by Prof. N N Viswanathan

- Computed the temperature histories of various types of aluminum spheres under combined state of radiation and convection

TECHNICAL SKILLS

- **Programming Language :** C++, HTML
- **Softwares :** Microsoft Word, Microsoft Excel, Openoffice, MATLAB, SCILAB
- **Basic Hardware and Networking**

EXTRA CURRICULAR ACTIVITIES

Music

- Did a three year course in Vocal Classical and successfully cleared three examinations by *Pracheen Kala Kendra* (recognised by UGC) and earned distinction in Practical twice and once in Theory

Speaking

- Awarded 1ST in Material Exposition in Department fest PADARTH (2010)

Social Service

- As a part of **NSS (National Service Scheme)**, **IIT Bombay** taught basic computer to underprivileged children and staff
- As a part of **GRA (Group for Rural Activities)**, **IIT Bombay** visited a village to study the impact of education there and suggested improvements

Other Activities

- Part of the Dramatics team in PAF (Performing Arts Festival)
- Part of team that won Freshmen Hostel Cricket, participated in VFL (Hostel Football League)
- Like reading about technology and business