



Shruti Mittal
Chemical Engineering
Indian Institute of Technology, Bombay
Specialization: None

100020070
UG Third Year (B.Tech.)
Female
DOB: 28-01-1991

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2013	7.93
Intermediate/+2	Dyal Singh Public School	CBSE	2009	80.00
Matriculation	R.S. Public Sen. Sec. School	CBSE	2007	94.60

SCHOLASTIC ACHIEVEMENTS

- Secured a **perfect grade (AA)** in “**Computer Programming and Utilization**” course ('10)
- Secured **AIR 744** in IIT JEE, from among over **4,70,000** students ('10)
- Ranked **448th nationwide** in AIEEE, from among **10,00,000** students ('10)
- Merit certificate** by CBSE for being among **top 0.1%** of successful candidates in Social Science ('07)

INTERNATIONAL COMPETITION

Team SHUNYA | Solar Decathlon 2014, Versailles, France

November'12-Present

- As a part of team **SHUNYA** would be **representing India** in the Solar decathlon competition to be held in France, '14 participating in **10** different competitions
- Selected as **one of the 20 participating teams**, out of the 44 candidacies - who had applied for the competition from all over the world
- Would be constructing an **energy efficient building** in the local conditions over an 18 month period, and construct the same during the competition in Paris

PROJECTS UNDERTAKEN AND INDUSTRIAL EXPERIENCE

Bio-adulteration, SJMSOM | Marketing and Supply Chain

Aug'12-Present

Guide: Prof. T.T. Niranjana, SJMSOM, IIT Bombay

- Working in a team of 4 to understand the **organic food chains** and the **supply chain** of an organic food store, **Naturally Yours** which aims to increase its supply and open new stores at various locations
- Task includes studying the market trends, competitors, possibility of growth and strategize the expansion
- Keeping in mind the importance of organic food, the project aims at bringing organic stores inside the campus at a later stage

Jubilant Foodworks Limited, Noida | Supply Chain

May-July'12

Project-In charge: Mr. Aseem Mohan, Senior General Manager, Supply Chain

- Debugged the Dough Tray Management (DTM) software that tracks the movement of empty dough trays
- Ran a **trial on 5 stores** to study the possible real time flaws in the software
- Proposed several changes and solutions to increase the efficiency of the DTM- one of the company's **biggest live project** going on that time
- Efforts led to the launch of the DTM software on an **all-India level** which was in pipeline since an year, saving company's **millions** of money because of the mismanagement of trays

Mexus Education Private Limited, Mumbai | Research & Development

Dec'11

- Designed Comprehensive Templates that have been tested to more than 200 products

Thinklabs Technosolution Pvt. Ltd., Mumbai | Robotics

Jun'11-July'11

- Made a **Robotic Arm**(using PWM) that can pick light weight objects, controlled via keyboard using ATmega128, micro-controller
- Learnt communication protocols like UART, SPI,ADC; worked with LCD, UART, LEDs and servo motors
- Secured an **A+** for the project

POSITIONS OF RESPONSIBILITY

Volunteer | Rubik's Club, IIT Bombay

Nov'11-Apr'12

- Conducted various workshops to teach students how to solve Rubik's cube
- Designed logo, fliers, posters for the workshop and publicity of the Guinness Record attempt
- Achieved a **record participation** of more than 1200 students; resulted in IIT Bombay setting the **Guinness World Record** of 937 people solving the Rubik's cube together

Coordinator, Corporate Relations Dept. | Entrepreneurship Cell, IIT Bombay

July'11-Feb'12

- Invited various corporate leaders and judges for **Eureka '11** and **E-summit '12** like **Mr. Aniruddha Sharma, CEO, Carbon Clean Solutions** who came solely because of my contacting
 - Was offered the post of **Media Manager '12-'13**, E-Cell, IIT Bombay

COMPUTER SKILLS

- Programming language: C/C++**
- Others:** ATmega128, ATmega16, MATLAB, HTML, CSS

COURSE PROJECT AND INDUSTRIAL VISIT

Rashtriya Chemical Fertilizers (RCF), Mumbai | Industrial Visit

Jan'11

Faculty Mentor: Prof. Sanjay Mahajani, ChemE Dept., IIT Bombay

- Awarded certificate for successful completion of training program on the "**Production of sulphuric acid technology**" at Rashtriya Chemical and Fertilizers limited
- Prepared a project report (team of 4) with **mass balance** on the entire Sulphuric Acid Plant

Snake Game Program | Course Project

Sept'10-Nov'10

Faculty Mentor: Prof. D.B. Phatak, CSE Dept., IIT Bombay

- Worked to design 'Snake Game' program in a **team of 14** members using **C++** and Ez-windows
 - Designed **8 mazes** using the graphic interface (**Ez-windows**)
 - Proposed** to design **moving mazes**, successfully created two such mazes which finally were **discarded** because of the limitation of the Snake movement algorithm

EXTRACURRICULAR ACTIVITIES

InsIghT, IIT Bombay

- Journalist** for InsIghT-the Campus Newsletter
- Assisted the editorial board in writing articles

Social Work

- Volunteering with **Abhyasika, NGO**
- Teaching** Std. 6-8 vernacular medium students English, Mathematics and Science

Robotics

- Made a remote controlled car
- A line follower bot using ATmega16

Painting

- Won **10+** prizes in various painting competitions at school level
- Had joined a workshop at IIT Bombay to learn making portraits

Other

- Attended a 3-day conference, **HUII-Harvard US India Initiative** to discuss how to improve rickshaw design
- Took part in various **prep-debate** competitions in school
- Made a website on Stock Market covering basic points of stock BSE, NSE