Sumit Jain   09004034

Civil Engineering   UG Third Year (B.Tech.)

Indian Institute of Technology, Bombay   Male

DOB: 29-08-1990

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2011	8.33
Intermediate/+2	CBSE	Mahaveer Public School	2008	75.80
Matriculation	RBSE	Emmanuel Mission School	2006	75.33

SCHOLASTIC ACHIEVEMENTS AND RECORDS

- Secured **ALL INDIA RANK 1327**(top 0.4%) in **IIT JEE** 2009 out of more than 386,000 students appeared
- Secured **ALL INDIA RANK 2573**(top 0.3%) in **AIEEE** 2009 out of more than 962,000 students appeared

TRAINING AND PROJECT

- **Site Training at Jaipur Metro** Phase 1, under **Delhi Metro Rail Corporation**   **[**May'11-June'11]
  Guided by: Mr. Atul Gadgil, General Manager (Civil), DMRC
    - Worked as a trainee getting exposure to various aspects of **Project Management** including construction, safety measures and environmental considerations
    - Performed various tests related to the strength and composition of different concrete mixes
    - **Analyzed** AutoCAD drawings and the cost estimation of **Piling Foundations** & **Diaphragm Wall**
    - This training helped a lot in enriching my knowledge about advanced concepts like **Piling Foundations** & **Diaphragm Wall**

- **Work Visit at CWPRS**, Pune *(Central Water Power Research Station)*   [Feb'11]
    - Studied and analysed basic research to provide sound and economic solutions for hydraulic machinery, costal engineering and foundation in structure

- **Mini National Unique Identity**   [Aug'09-Nov'09]
  Guided by: Dr. D.B. Phatak, IIT Bombay
    - Lead the team for recording the data of registered students using **C++**
    - Used File Handling to record data of registrations and Fingerprint images

- **Library Management**   [Jan'08-Feb'08]
  Guided by: Mrs. Ritu Verma, MPS Jaipur
    - Conceptualized and created a library management system in **C++**
    - Designed a graphical interference using **IDE** for user friendly

- **The Snake**   [Jan'07-Feb'07]
  Guided by: Mrs. Ritu Verma, MPS Jaipur
    - Conceptualized and created the game called **SNAKE** in **C++**
    - Used File Handling to record data of players

- **Market Analysis of IT Industries In India**   [Sep'09-Oct'09]
  Guided by: Prof. Haripriya Gundimeda, IIT Bombay
    - **Analyzed** the data, predicted the **trends** in the demand and suggested possible strategies for the firms
    - Examined and studied various factors that effects market of IT Industries

SKILL SET

- **Programming Languages**   **C/C++,** HTML, Java, Java Script
- **Operating Systems**   Windows, Linux, Mac OS
- **Software Tools**   Autocad, Adobe Photoshop, MS Office, Scilab
- **Databases**   mySQL, MS Access

POSITION OF RESPONSIBILITY

- **Co-ordinator, Techfest 2011 (Asia's Largest Technical Festival)** [April'10-Jan'11]
    - Led a team of 15 volunteers for Conceptualisation and execution of event "**PANDORA'S BOX**"
    - Ensured the proper publicity of events **VERIZON** and **UTKARSH** by contacting different colleges across India
- **Organiser, Mood Indigo 2009 (Asia's Largest Cultural Festival)** [Aug '09-Dec'09]
    - Organized a blood donation drive **"KHOON CHALA"** associating with an NGO Think Foundation to make a total of over 200 donations
    - Was a member of **Security team** during various events & worked in **Marketing team**
- **Organiser, Techfest 2010** [Aug'09-Jan'10]
    - Worked in successful execution of the event "Scholastic", an event for school children of classes of 7th to 10th based on basic principles of science
    - Was the member of organising team of the event "Solar Splash"
    - Carried out the publicity campaign of the events "Black-bird" and "Solar Splash" & worked in **Marketing team**

TECHNICAL LABS COMPLETED

- **Geodesy Lab:** Studied applications of different surveying instruments like Theodelite, Digital Station, Total Station, GPS etc.
- **Engineering Drawing:** Studied various aspects of 2-dimensional and 3-dimensional drawing
- **Solid Mechanics Lab:** Practically studied different types of stresses and strains on different bodies
- **Fluid Mechanics Lab:** Practically studied various laws related to fluid mechanics

TECHNICAL LABS ONGOING

- **Design of Structure Lab**
- **Soil Mechanics Lab**

COURSES UNDERTAKEN

- **Core Courses:**
    - Design of Structures, Structural Mechanics, Engineering Mechanics
    - Hydraulic Engineering, Fluid Mechanics, Water Resources Engineering **(HONOURS)**
    - Solid Mechanics, Soil Mechanics, Advanced Solid Mechanics **(HONOURS)**
    - Geodesy, Numerical methods in Civil Engineering **(HONOURS)**
- **Mathematics:**
    - Calculus, Differential Equations, Data analysis and interpretation, Linear Algebra
- **Others:**
    - Computer Programming and utilization, Introduction to Electrical and Electronic Circuits
    - Electricity and magnetism, Chemistry, Physics Lab, Chemistry Lab
    - Economics, Philosophy

EXTRA CURRICULAR ACTIVITIES

- Member of **Winning Production team** in **Performing Arts Festival, IIT BOMBAY(PAF 2010)**
- Participated and represented hostel team in dramatics in Freshizza
- Devised a remote controlled car using radio frequency transmitter circuit which could navigate over grease and water
- Done a **Yoga** course for 1 year
- Proficient in playing pool, badminton