

ACADEMIC:

- Secured **All India Rank 83** in **IIT Joint Entrance Examination(2009)** out of about 4,00,000 students.
- Secured **All India Rank 502** in **All India Engineering Entrance Examination (2009)** out of about 10,00,000 students.
- Currently pursuing a minor in **Statistics and Inference** in Maths Department, IIT Bombay.

POSITIONS OF RESPONSIBILITY:

- **Manager, Infrastructure for Techfest 2012 (April '11 to Present)**
 - Responsible for the infrastructure setup and requirements of Techfest '12 covering a budget of around **INR 5 million**.
 - Directing a two tier team consisting of over 25 coordinators and 70 organisers working for the **Infrastructure Department of Techfest 2012**.
 - Organising '**Nexus**'- a national level robotics competition in PEC University of Technology, Chandigarh to improve the robotics scenario in the country.
 - Conceptualized an initiative "**Inspire India**" for the betterment of the society.
- **Co-ordinator – Techfest 2011 (May '10 to January '11)**
 - Successfully carried out the infrastructure setup and management in **6 Pro-shows and Night exhibitions** in Techfest 2011 and helped in the overall execution of the event.
 - Successfully conducted '**Navigate**' – a national level robotics competition at MITM, Indore as a part of the outreach program of Techfest 2011.
- **Sports Secretary, Hostel 9(August '10 to April '11)**
 - **Successfully conducted and promoted** various games to flourish the hostel sports culture.
 - Hostel performance increased in Sports General Championship.
 - Honored with **organisational 'color'** for the exemplary work.

PROJECTS:

- **Simulation of city defence system** (Course Project – Autumn 2010).
 - *Guided by* – Prof Om P Damani, CSE Department, IIT BOMBAY.
 - Used **Fibonaaci heap** to find a minimum value from a set and formulated a graph of the city with edge weights as the number of casualties in the path.
 - Used **Dijkstra's algorithm** to find the minimum casualty path between source and terrorist centre.

- **Calculus Utility** (Course Project – spring 2010) :
 - *Guided by* – Prof. Amitabh Sanyal, CSE Department, IIT Bombay.
 - Implemented using **PLT Scheme** (functional programming).
 - Plots graphs of functions as well as their integrals and derivatives of specified order.
 - Capable of solving **Differential Equations** (implemented Picard’s iteration algorithm).
- **Fingerprint Recognition** (Course Project – autumn 2009) :
 - *Guided by* – Prof. Deepak Phatak, CSE Department, IIT Bombay.
 - Analysis of fingerprint image and extraction of characteristic features from the same which aid in unique identification of a person.
 - Pattern recognition, image modification and sharpening were used before fingerprint matching for robust detection.
 - Coordinated with a team of 20 members for the same.

EXTRA CURRICULAR ACTIVITIES:

- **Sports:**
 - Represented the school in **West Zone Table Tennis Clusters Tournament** organized by **Central Board of Secondary Education**.
 - Completed year-long training under **National Sports Organisation (NSO)** in IIT Bombay.
- **Cultural:**
 - Was a part of the 1st prize winning **Performing Arts Festival team** in drama in 2010.
 - Honored with **Performing Arts Festival ‘color’** for my contribution in the production department of the event in 2011.

SOFTWARE AND PROGRAMMING SKILLS:

- **Programming Languages** – C/C++, PLT Scheme, Java applications.
- **Operating System** – Windows, GNU/Linux.
- **Web Development** – HTML, CSS, JSP, Java servlets.

COURSES UNDERTAKEN:

Core:

- Interpretation of Computer languages*
- Computer Networks*
- Artificial Intelligence*
- Computer Architecture.*
- Operating Systems*
- Database and Information Systems*
- Automata Theory and Logic.
- Design and Analysis of Algorithms.
- Software Systems Laboratory.
- Discrete Structures.
- Data Structures and Algorithms.
- Abstractions and Paradigms in Programming.

Mathematics:

- Calculus
- Differential Equations
- Linear Algebra
- Numerical Analysis

Non-core:

- Economics
- Philosophy

Minor courses:

- Introduction to Probability Theory.
- Applied Stochastic Processes.
- Statistical Inference*

*-pursuing(to be completed by April 2012).