

SCHOLASTIC ACHIEVEMENTS

- Was in the top 0.45% in **IIT-JEE 2010** amongst about 4,56,000 candidates and in the top 0.15% in **AIEEE 2010** amongst 10,00,000 candidates.
- Recipient of the **National Talent Search Examination Scholarship**(2008) which is awarded by the Govt. of India to only 750 students from across the nation.
- Secured **22nd rank** among the Kendriya Vidyalaya Sangathan in **AISSE 2010**.
- Awarded the **Certificate of Merit in Physics by CBSE** (2010) given to top 0.1% of successful candidates in AISSE 2010.
- Awarded the **Certificate of Merit in Social Science by CBSE** (2008) given to top 0.1% of successful candidates in AISSE 2008.
- Was awarded the **Certificate of Merit** for securing **High Distinction** in **Australian National Chemistry Quiz** (2004) conducted by **Royal Australian Chemical Institute**.

ACADEMIC PROJECTS

Topic : *Implementation of a 1 player game of Pong in C++* (Autumn 2010)

Guide : *Prof. D. B. Phatak*, Dept. of CSE, IIT Bombay

- Part of 13 member team (further subdivided into 3 groups: AI, gameplay and graphics) to develop a single player game of Pong, with extensive use of graphics from the EZWindows library.
- Contributed largely to the **AI and gameplay** sections of the project.
- Working in a big group fostered team spirit and co-operation.

Topic : *Study of an electronic device (cellular phone)* (Spring 2010)

Guide : *Prof. J. Vasi*, Dept. of EE, IIT Bombay

- Studied and analyzed the complete **circuit of a cellular phone**.
- A **term paper** was also submitted to this effect.

Topic : *Implementation of a simple Telephone Billing software in C++* (2009 - 10)

- Led a 4 member team to develop an application to create a consumer database and add, modify, search and remove entries. It also allowed the user to feed consumer data and output a printable bill (in .txt/.dat).
- I extensively used **data file handling** techniques of C++ to implement the various operations of adding, modifying, etc. of database entries.

Topic : *Microeconomics Term Paper* (Autumn 2011)

- Wrote a **term paper** on “**Price Discrimination in Indian Aviation Industry**”, studying the ticket prices of different airline companies in India and their class-wise segregation and differences based on time of booking.

OTHER PROJECTS

F1 Racing Car Event (**TRACKMANIA**)

(August 2010)

- Was part of a 4 member team to make a **wired car with onboard power supply** for the event.

POSITIONS OF RESPONSIBILITY

Web and Alumni Secretary, Hostel 9

- My responsibility is to maintain and improve the hostel website and to have good relation and contact with our alumni.
- Revamped the hostel website using HTML, CSS, and PHP.
- Managed and supervised the event of Hostel Alumni Reunion in December 2011.

Coordinator, Techfest 2012

- Played an active role in organizing the event, **Segreta** and **Techfest Geekiest, under Ozone department** in Techfest 2012, one of the biggest technological festivals of Asia.

TECHNICAL SKILLS

- **Operating systems** : Microsoft Windows, Linux, Mac OS
- **Programming Languages** : C/C++
- **Web Development Languages** : HTML, CSS, PHP
- **Query Languages** : SQL
- **Microcontrollers** : Atmel AVR – Atmega 328P (on an Arduino Uno Board)
- **Software** : MS Office, Adobe Photoshop, Adobe Dreamweaver, Eagle (PCB Layout), Verilog

EXTRA-CURRICULAR ACTIVITIES & OTHER INTERESTS

- Have successfully completed **Basic Mountaineering Course**. (2011)
- Have passed **Grade 1, Theory of Music** held by The International Examinations Board arm of **Trinity College, London**. (2005)
- Was part of the **school Basketball Team**. (2008 - 09)
- Was part of the **Scouts and Guides Programme**.
- Keen interest in **computer programming, web designing, psychology and economics**.

COURSES UNDERTAKEN

Core:

Introduction to Electrical Systems
Introduction to Electronics
Electronic Devices and Circuits
Network Theory
Digital Systems*
Analog Circuits*
Electrical Machines & Power Electronics*
Signals & Systems*

Non -Core:

Data Analysis and Interpretation
Computer Programming and Utilization
Calculus, Linear Algebra
Differential Equations
Economics
Applying Psychology in Modern Life
Quantitative Methods for Economic Analysis*

The courses marked with * are ongoing and would be completed by April 2012.