

Scholastic Achievements

- **AIR 61** out of 4.55 lakh students in IIT-JEE (Joint Entrance Examination) - 2010
- **AIR 3** of 18000 students in NEST (National Entrance Screening Test)-2010
- Qualified to appear for the Indian National Chemistry Olympiad (**INChO**) -2010 and Indian National Physics Olympiad (**INPhO**) -2010 (Top 300 selected nationwide based on performance in NSEP and NSEC)
- Secured **AIR 5** in the XXXIX National Mathematics Talent Competition (**NMTC**)-2007 conducted by Association of Mathematics Teachers of India (**AMTI**).

Summer Project

- **Google Summer of Code 2012:** Plugin for GnuCap (*May 2012 to August 2012*) [gnucap.org]
 - Worked under organisation 'The GNU Project' on the project GnuCap (GNU Circuit Analysis Package)
 - Implemented a plugin to convert a schematic of a circuit into Verilog-AMS netlist and vice-versa.
 - Programmed in C++ and object-oriented programming paradigms.

Course Projects

- **Traveling Message Display** (*Guided by Prof. M.B.Patil and J.John*)
 - Worked in a team of 3 to display a scrolling message on an LED Array using FPGA DE0 NANO
 - My work involved writing verilog modules for taking input from the keypad and processing it.
- **Simulation of Micromouse** (*Guided by Prof. Deepak B. Phatak, CS101 - Autumn 2010*)
 - Led the team of 12 members in designing and solved $n \times n$ mazes them for the minimum path using Bellman-ford algorithm in C++ and simulated using EzWindows GUI.
- **Term paper on Working of a Cordless Telephone** (*Guided by Prof. Vasi J. , EE112 - Spring 2011*)
 - Opened and Analyzed a Cordless phone in a team of 3 members and written a 12-page Term paper with details of working of the phone.

Technical Skills

- **Programming Languages:** C++,Java,Python,Ruby **Operating Systems:** Linux-Ubuntu, Windows
- **Tools:** Matlab, Mathematica, Scilab, Latex, Photoshop **Web designing:** HTML, CSS, Javascript
- **EE tools:** Spice, Verilog-HDL, Verilog-AMS , Arduino

Technical Activities

- Yahoo! HackU -2012: Built an android app and web interface, 'MapIt' which can be used to create customizable maps of localities with greater information
- Trackmania-2010 : Built a remote-controlled four-wheeled car (bot).
- Line-follower competition-2011 :Built a line-following bot using IR sensors and Arduino.

Extra Curricular Activities and Achievements

- Participated in **Unnati**, the **NSS** (National Service Scheme) group of IIT Bombay.
 - Has been involved with the **GRA** (Group for Rural Activities) as part of curriculum in First year
 - Went to Village trips in Autumn 2010 and Spring 2011.
 - Continued as a voluntary member of the NSS Team in the subsequent year.
- Worked as 'Organiser' in **Techfest-2011**, in the Lecture Series department.
- Participated in the Inter-hostel Hockey GC.

Extra Courses currently taking (Autumn 2012)

- Data Structures and Algorithms
- Artificial Intelligence
- Foundations of VLSI CAD