Scholastic Achievements

- **All India Rank 61** in IIT-JEE (Joint Entrance Examination) - 2010.
- **All India Rank 3** in NEST (National Entrance Screening Test)-2010.
- **All India Rank 168** in AIEEE (All India Engineering Entrance Examination)- 2010.
- Qualified to appear for the Indian National Chemistry Olympiad (**INChO**) -2010 based on performance in National Standard Examination in Chemistry(**NSEC**) and has been awarded a book prize.
- Qualified to appear for the Indian National Physics Olympiad (**INPhO**) -2010 based on performance in National Standard Examination in Chemistry(**NSEP**).
- Awarded **Certificate of Merit** by Central Board of Secondary Education (**CBSE**) for being among **top 0.1 %** in 'Science' and 'Social Science' in All India Secondary School Examination - 2008.
- Awarded '**Certificate of Excellence**' for securing highest aggregrate marks in the school and the title '**Amul Vidya Shree**' for Outstanding Academic performance in AISSE - 2008.
- Secured **AIR 4** in NIMO (National Interactive Maths Olympiad)-2009 and **AIR 5** in NISO (National Interactive Science Olympiad)-2009 conducted by Eduheal Foundation.
- Secured **AIR 5** in the XXXIX National Mathematics Talent Competition (**NMTC**)-2007 conducted by Association of Mathematics Teachers of India (**AMTI**).
- Secured **AIR 5** in FIITJEE Talent Reward Exam (FTRE) and was awarded medal for zonal topper in Mathematics, Physics and Overall.
- Secured **AIR 15** in 10th National Science Olympiad (NSO) - 2007 conducted by Science Olympiad Foundation(SOF).
- Secured **State Rank 9** in 7th National Cyber Olympiad (NCO)- 2007 conducted by SOF.
- Secured **State Rank 13** in XX State Talent Search Examination- 2007 conducted by Dr.A.S. Rao Awards Council and was awarded a book prize.

Course Projects

- **Simulation of Micromouse** *(Guided by Prof.Deepak B. Phatak, CS101 - Autumn 2010)*
  - Led the team of 12 members.
  - Designed n$\times$n mazes.
  - Solved them for the minimum path using Bellman-ford algorithm in C++.
  - Simulated the solution 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.
  - Worked in a team of 3 members.
  - Written a 12-page Term paper with details of working of the phone.

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.
    - Continuing as a voluntary member of the NSS Team in the subsequent year.
- Worked as 'Organiser' in **Techfest-2011**, Asia's largest Science and Technology festival, in the Lecture Series department.
- Currently working as '**Coordinator**' in Techfest-2012.
- Participated in the Inter-hostel Hockey GC.

Technical Skills

- Awarded Certificate of Participation in the Winter Workshop on Technical Skills conducted by STUDe Club, IIT Bombay in January 2011.
- **Programming Languages**: C++,Java,Python
- **Operating Systems**: Linux-Ubuntu, Windows
- **Tools**: Matlab, Mathematica, Scilab, Latex, Photoshop
- **Web designing**: HTML, CSS, Javascript.

Technical Activities

- Participated in Trackmania-2010 which involved building a remote-controlled four-wheeled car (bot).
- Participated in Line-follower competition-2011 : Designed and built a line-following bot using IR sensors and coding the microcontroller using Arduino software.

Courses

- **Courses Taken**
    - Calculus, Linear Algebra, Differential Equations.
    - Electricity and Magnetism, Chemistry.
    - Data Analysis and Interpretation, Computer Programming and Utilization.
    - Introduction to Electrical Systems, Introduction to Electronics
    - Workshop Practice, Engineering Drawing, Physics Lab, Chemistry Lab.
    - Complex Analysis, Differential Equations, Economics
    - Network Theory, Electronic Devices and Circuits.
    - Discrete Structures, A First Course in Optimization.
    - Experimental and Measurement Laboratory, Electronic Devices Lab.
- **Courses currently taking this semester**
    - Signals and Systems, Electrical Machines and Power Electronics.
    - Analog Circuits, Digital Systems.
    - Analog Lab, Digital Circuits Lab, Machines Lab.
    - Introduction to Quantum mechanics, Introduction to MEMS