Scholastic Achievements:

- Ranked 519 in IIT-JEE 2010 (entrance criterion for admission into IITs) out of 0.45 million students who appeared for the examination.
- Ranked 1604 in AIEEE 2010 out of 1 million students who appeared for the examination.
- Awarded Sir C.V.Raman Young Genius Award for securing National 5th rank in NLSTSE 2006.
- Secured State 2nd rank in Kwest State level science talent test and received a cash prize of ₹ 2000.   2008

Academic/Research Projects:

- Ground Penetrating Radar: *Summer 2012*
  Guide: Prof. Girish Kumar, Dept. of EE, IIT Bombay
    *Studied the working of a Continuous Wave Ground Penetrating Radar (GPR).
    *Presented a poster on GPR in the first ever UG Research Symposium 2012.
    *Presently, building a GPR with clutter canceller to reduce noise in the received data.
    *Worked in a group of two.
- Travelling Message Display on LED matrices using FPGA Board: *Spring 2012*
  Guide: Prof. M.B.Patil, Dept. of EE, IIT Bombay
    *Programmed an FPGA board in Verilog.
    *The LED matrix can display characters scrolling at user defined speeds.
- Bloxorz: *Autumn 2010*
  Guide: Prof. D.B.Phatak, Dept. of CSE, IIT Bombay
    *Simulated a computer game called *Bloxorz* using C++ and EzWindows.
    *Worked in a team of 8 members.
- Working of a Cordless Telephone: *Spring 2011*
  Guide: Prof. J.Vasi, Dept. of EE, IIT Bombay
    *Opened and analyzed a cordless phone and studied its working.
    *Submitted a 12 page report on the subject.

Positions of responsibility:

- Elected as the System Administrator of Hostel 8, IIT Bombay for the academic year 2012-13.
- Elected as Literary and Debating Secretary of Hostel 8, IIT Bombay for the academic year 2011-12.
    - *Organized various intra-hostel competitions.
    - *During my tenure, Hostel 8 secured 2nd place among the 14 hostels at IIT Bombay, in Debate General Championship (held every year).
- Served as School Pupil Leader for the academic year 2007-08.
    - *Led a group of 24 students called School Cabinet, which was responsible for sports, cultural, technical activities etc. organized at school, that year.
    - *Started and convened two clubs called Quiz Club and Science Club which saw a participation of about 100 students.

Technical Skills:

- Operating Systems/Distributions: Linux-Ubuntu, Windows, Mac.
- Languages: C++, HTML, CSS, JavaScript, Python, Java, PIC, Arduino.
- Other software: Ms Office, Adobe Photoshop, Matlab, LTSpice, LabVIEW, EAGLE etc.

Extra-curricular activities:

- Created an Android app (MapIt!)in 24 hours as part of a hacking competition called HackU organized by Yahoo!. Worked in a team of four.
- Worked as a part time intern at *Skientia* for a month which involved microcontroller and FPGA programming and GPS interfacing with Arduino.
- Served as an Organiser for Events in Techfest-2011, Asia's Largest College Technical Festival and E-Summit-2011, the Entrepreneurship Summit organised by the Entrepreneurship Cell of IIT Bombay.
- Awarded Certificate of Participation in the winter workshop on Technical Skills conducted by STUDe Club.   *Jan 2011*

Key Courses:

Signals and Systems, Communication systems, Digital Systems
Analog electronics and lab, Digital electronics and lab, Microprocessors and lab
Linear Algebra, Probability & Stochastic Processes, Complex Analysis, Network Theory
Electrical Machines and Power Electronics, Electromagnetic Waves