SCHOLASTIC ACHIEVEMENTS

- Secured All India Rank **67** in IIT Joint Entrance Examination - 2009
- Secured All India Rank **403** in All India Engineering Entrance Examination (AIEEE) - 2009
- Secured State rank **82** in Engineering Agriculture Medicine Common Entrance Test (EAMCET) - 2009
- Secured University 1st in Andhra Pradesh Residential Junior Colleges (APRJC) Common Entrance Test - 2007

RESEARCH PROJECTS / INTERNSHIPS

BUILDING VOCABULARY AND APPLICATIONS FOR SPHINX
Guide: Pranav Jawale, DAPLAB, IIT Bombay   *May'11 - Aug'11*

- Developed vocabulary for IVR response handling through speech recognition using **Sphinx**
- Implemented Windows Speech Recognition which using Sphinx and Perl script
- Developed Tic-Tac-Toe game which uses voice as input to play the game

DEVELOPMENT OF WEB BASED LIBRARY INTERFACE SYSTEM
Electrical Engineering Students Association, IIT Bombay   *May'11 - Jul'11*

- Developed a complete and robust library management system to be used by Electrical Engineering department students for the first time
- It involves database handling and its easy to use interface is implemented using PHP and MySQL

WINTER INTERNSHIP - ROBOTICS
ThinkLABS Centre, Powai, Mumbai   *Dec'10 - Jan'11*

- Participated in Winter internship-Robotics program conducted by ThinkLABS, SINE, IIT-Bombay
- Got an insight into different types of robots and their programming, interfaced the with robot electronics, sensors, actuators and I/O interfacing
- Also underwent in depth training on wireless communication protocols such a **UART** & **2G4 (CC2500)** module

ACADEMIC PROJECTS

SNAKE GAME WITH DIGITAL BLOCKS
Prof. Sachin Patkar, IIT Bombay   *Feb'11 - Apr'11*

- Implemented the arcade snake game as a digital block using shift registers, flipflops and logic gates
- Also written the complete code in Verilog and implemented the code on CPLD board

MINI UNIQUE BIOMETRIC IDENTIFICATION FOR IIT BOMBAY
Prof. Deepak.B. Phatak, IIT Bombay   *Oct'09 - Nov'09*

- Involved in developing software to assign a Unique Identity to every IIT Bombay student using fingerprint images stored in form of templates using C++ programming language
- Team leader for 4 students to design software to detect bifurcations in fingerprint image stored in the form of a template

POSITION OF RESPONSIBILITY

DEPARTMENT WEBSITE SECRETARY, EE DEPT., IIT BOMBAY   *Mar'11 - till date*
- Launched **Bookbay**, a web interface for online trading of books among EE dept. students
- Made portals for summer projects allocation scheme, through which students are allocated summer projects

SPORTS SECRETARY OF HOSTEL-8, IIT BOMBAY   *Aug'10 - Apr'11*
- Awarded **Organisational special mention** for the tenure
- Initiated and successfully conducted badminton intra in our hostel
- Made attractive posters of sports activities in hostel about sports activities

COORDINATOR, TECHFEST 2011   *Jul'10 - Jan'11*
- Invited **NIF (National Innovation Foundation)** members to techfest to display village innovations in exhibitions and successfully organised the event
- Invited foreign exhibitors for their exhibits and was successful in bringing many of them to Techfest

COORDINATOR, ECELL 2010   *Jul'10 - Mar'11*
- Organised workshops and talk sessions under the banner Egarage
- Involved in conceptualisation and structuring of Eureka, the Asias largest Business Plan competition

EXTRA CURRICULAR ACTIVITIES

- Awarded **Sports special mention** for my contribution in sports to hostel
- Represented hostel 8, IIT Bombay in the inter hostel General Championship-2010 in badminton, Sophie hockey
- Performed dance in TELCA - a cultural association in IIT Bombay
- Participated in Chinmaya Bhagavad Gita Chanting Competition held by Chinmaya Mission
- Interests - web designing, photoshopping, learning softwares, badminton.

TECHNICAL PROFICIENCY

- **Programming**: C++, Perl, Java(basic), 8085 Assembly, Verilog
- **Microcontroller Programming**: AVR, Philips 8081
- **Software Packages**: Matlab, LT Spice, LaTeX, Sony Vegas, Adobe Photoshop, Dreamweaver, Flash
- **Web Design**: HTML, CSS, PHP, Java script, MySQL

MAJOR SCHOLARSHIPS

- Awarded M. Radhakrishna Kamath Scholarship provided by IIT Bombay
- Selected for BIEAP scholarship provided by Board of Intermediate Education, Andhra Pradesh (BIEAP) for securing more than 96 % marks in intermediate

RELEVANT COURSES UNDERTAKEN

Departmental Courses: Electricity & Magnetism, Electromagnetic Waves, Signals and Systems, Analog Circuits, Electronic Devices & Circuits, Electrical Machines and Power Electronics, Digital Systems, Probability and Random Processes, Microprocessors, Communication Systems

Mathematics: Calculus, Linear algebra, Differential equations, Complex analysis

Computer science and statistics: Computer programming and utilization, Discrete structures, Data analysis and interpretation,Data Structures and Algorithms, Operating Systems