



B. Tech
Electrical Engineering
Indian Institute of Technology, Bombay

09001009
UG Third Year (B.Tech.)
Male
DOB: 12/08/1991

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2012	6.43
Intermediate/+2	Maharashtra State Board	Dr. Babasaheb Ambedkar College, Nagpur	2009	89.33
Matriculation	Maharashtra State Board	S.F.L. Highschool, Dhamangaon(Rly)	2007	91.69

AWARDS AND ACHIEVEMENTS

- Got a **Rajarshi Shahu Maharaj Scholarship** for being **1st** among SC students in **Amravati Division** in 10th Jul '07
- Excelled in **Intermediate Drawing Examination** conducted by Government of Maharashtra '06
- Got a **consolation prize** in **Maharashtra Talent Search Exam** '05

SCHOLASTIC ACHIEVEMENTS

- Secured a rank among top **5%** students in **Joint Entrance Exam**
- Secured a rank among top **0.01%** students in **All India Engineering Entrance Exam**

KEY ACADEMIC PROJECTS

- UID** (*Unique Identity Detection*) Sep-Nov '09
Guide: Prof. Phatak (Computer Science Engg. Dept.)
- Developed an in-house code to prepare a daily database which will be further used to detect and identify the fingerprints of personnel to manage and monitor entry and exit at various locations
 - It is currently being used in labs on trial basis
- RC-Plane** Mar '10
Guide: Prof. Sudhakar and Prof. Arya (Aerospace Engg. Dept.)
- Made an **RC-plane** to study and analyze the different control parts and motions of flight
- Superheterodyne FM Receiver** Oct'11
Guide: Prof. Merchant (Electrical Engg. Dept.)
- Designed a superheterodyne FM receiver system which can be tuned to receive any local FM radio stations

TECHNICAL PROJECTS

- Made a wireless remote controlled F1 car '09
- Implemented line following algorithm in **AVR Microcontroller** '09
- Made an attempt to design a system using **Arduino Ethernet Shield** to control a remotely placed bot using internet Mar'11

RELEVANT COURSES

- **Network Theory**: Studied different method to solve linear and nonlinear circuits
- **Electrical Machines and Power Electronics**: Studied different circuits to drive different types of motors
- **Digital Systems**: Studied how to implement a system using finite state machine
- **Analog Circuits**: Studied the internal circuitry of OPAMP and different amplifiers and oscillators
- **Microprocessors**: Studied the architecture and programming of microprocessor chip 8085 by intel, ARM microprocessor, microcontrollers
- **Communication systems**: Studied different types of modulations and time division multiplexing
- **VLSI Design**: Studied different architectures to implement the circuit on a chip in 180nm technology. Designed and simulated basic logic gates, counters, adders using magic and spice

COMPUTER PROFICIENCY

- **Programming Languages:** C, C++, HTML, Python
- **Software Proficiency:** MicroSoft Office, MATLAB, scilab
- **Operating System:** Windows, Linux
- **HDL and Circuit Simulation:** verilog, spice, magic, eagle

POSITION OF RESPONSIBILITY

- **Coordinator: Techfest '11 team**

Dec-Jan'11

Handled a team of **12** organizers under Technoholix team to plan and execute a night show. The show saw crowd of over **5000** with performers coming from Virginia.

- **Coordinator: Mood-Indigo '10 team**

Dec '11

Was responsible for handling zorbing and All-terrain vehicle events under Informal

OTHER INFORMATION

- **Languages known:** English, Marathi, Hindi and beginner Sanskrit