Maharshi Yadav

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Mumbai-400076, INDIA   Date of Birth:1st May 1994

Scholarships:

- **MCM (M**erit **C**um **M**eans**)** Scholarship, IIT Bombay.
- Maharashtra Govt. High School Scholarship in std 7.

Achievements:

- Secured **A**ll **I**ndia **R**ank of 1665 which is 187 in obc category in **IIT-JEE 2011.**
- Awarded a Trophy in **Mathex** *State level Maths* exam in 2007.

Internships:

- **Inductor Modelling and Design in CMOS Technology** under R.A.Siva Krishna at ***IIT Bombay.***
                                                    [Duration 3 Months, April-June 2012]
    - *Designed* and *Modelled* a 0.1nH spiral inductor with *Sonnet Software* having self resonant frequency of 90 GHz.
    - Analysed standard CMOS process for *high speed applications.*
    - Good Command on *Sonnet software*, behaviour and effects of *high frequency* on active and passive components of spiral inductors.
    - Poster Presentation in **UG Research Symposium 2012** IIT Bombay.

Technical Projects:

- **Voice Controlled Bot** in Institute Technical Summer Projects, ITSP 2012, IIT Bombay:
                                                    [Duration 1 Month, May 2012]
    - ***Person Dependent Voice Recognition*** system using EasyVR chip and motor driver circuit application.
    - Programming in **Arduino** and **Easyvr** commander for an efficient voice-recognition system.
    - Project Presentation in **TechEx Institute Technical Exhibition 2012,** IIT Bombay.

- **Spirit Level Analog Watch Design** at IIT Bombay: [Duration 3 days, July 2012]
    - Programming in **Linux** based **Eclipse** software with RTC, STC, various nuggets etc. libraries included.
    - The watch contained the properties of *Spirit Level* n also can be used as a *Stopwatch.*
    - Executed *coloured pixels* and *applied clock timer, accelerometer* in the watch.

Software Skills:

- **Languages:** *C, C++, PYTHON, JAVA*
- **Operating Systems:** *Windows, Linux*
- **Softwares:** *Sonnet Software, Sci-lab, Adobe Photoshop, LT Spice, MATLAB, Wolfram Mathematica.*

Other Courses:

· **CS101 Building A Search Engine:** From Udacity Online Courses by Prof. David Evans
Learnt the programming and structure of a basic search engine through Python language.

· **CS262** Programming Languages **Building a Web Browser:** from Udacity Online Courses by
Prof. Wes Weimer**.** Learning the major format of web browsers and its applications for search
engine.

· **ST101** (introduction to **statistics**): Udacity Online Course Learning basic Statistical Analysis.

Workshops Undertaken:

· Undertook a workshop on *LT Spice for Hostel 13*. Gave basic information about
simulation and various circuit applications in LT Spice.

Position Of Responsibility:

· **MENTOR** of 1st year UG students for *TECH competitions*   [Duration: August 2012 to date]
  · Guiding a total of 6 teams for various tech related competitions of **Robotics Club IITB.**
  · *First position* of my mentee team in **XLR8** competition 2012 **.**
  · Nurturing their models and increasing their enthusiasm in technical side and also
    introducing them with new electronic components.

· **Mess secretary of Hostel 13 IIT Bombay (2012 to date) :**
  · Responsible for mess related issues, actively solving student's complaints about mess.
  · Coordinate with all secretaries for betterment of mess.

· *Volunteer* in **Electrified Session** of **Electronics Club**, IIT Bombay.
· *Organiser* and *Coordinator* in Mood Indigo and Techfest, Volunteer in Worldfest.

Extra Curricular Activities :

· Achieved **'A' Grade** in *Elementary and Intermediate State level Drawing Exams, 2009.*

· Active Leader of city team who attended and Participated in **'Special National Jamboree of
Scouts and Guides, Kolkata'** in 2007**.** Also was an active participant in jamboree.

· Completed **NSO** course in **Guitar,** a course of two semesters.