

YELLAMRAJU TARUN

Personal Details:

Date of Birth: 27.10.1992

Sex: Male

Email id: ytarun1440@gmail.com

Phone No: +91 9833416954

Educational Details:

Department: Electrical Engineering

Program: B.Tech

Institute Rank (IR): 25

CPI: 9.45

University	Year of study	Semester	Year	SPI	CPI
IIT Bombay	First	1	2011	9.21	9.21
IIT Bombay	First	2	2012	9.68	9.45

School	Board	Grade	Year	Performance
Kendriya Vidyalaya IIT Powai Mumbai	CBSE	10 th	2008	94.4 %
Kendriya Vidyalaya IIT Powai Mumbai	CBSE	12 th	2010	94.0 %

Extra-Curricular Activities:

Coordinator, Lecture Series, Techfest 2013

- I have identified suitable speakers and am in the process of contacting them for speaking at Techfest 2013

Organizer, Marketing, Techfest 2012

- I was part of the team that assisted the sponsors in setting up promotional stalls and advertisements

Organizer, Marketing, Mood-Indigo 2011

- I personally handled delivery of a high value shipment from the sponsors to the institute and was part of the team that assisted in setting up their advertisements

Musical Instrument

- Learnt to play guitar for one year

Project Information:

Computer Science Project:

Matrix Methods for solving linear equations

- Under the guidance of Prof. M. P. Gururajan, I implemented a program which can solve a set of linear equations
- Gauss elimination, Cramer's rule and Martin's method were used for solving the equations
- I designed my own algorithms for the code including those required for calculating determinants and for converting matrices to their echelon form
- All the coding was done in C++.

Materials Science Project:

Study of piezoelectric materials

- Under the guidance of Prof. A. S. Panwar, I studied the electrical conductivity properties of piezoelectric materials and the mechanisms and structural properties which give rise to its unique properties.
- Constructed a model depicting the typical structure of piezoelectric materials to explain its properties
- Gave a presentation on the same along with applications of piezoelectric materials.

Relevant Course Information:

- Currently pursuing a minor in Computer Science and Engineering
- Completed courses on Calculus, Linear Algebra, Differential Equations (ordinary and partial), Complex Analysis, Data Structures and Algorithms and Network Theory at IIT-Bombay
- Studied content of Massachusetts Institute of Technology courses on Multivariable Calculus, Linear Algebra and Differential Equations through video lectures
- Proficient in C++ programming language

Achievements:

- Granted change of branch from Metallurgical Engineering and Materials Science to Electrical Engineering based upon my academic performance in the first year
- Topped the end-semester examination with a perfect score in the course MA 108 (Differential Equations)
- Secured an All India Rank of 1440 in JEE 2011
- Secured All India rank of 17 in AISSCE (All India Senior School Certificate Examination) 2010