



Kazipeta Prashanth
Electrical Engineering
Indian Institute of Technology, Bombay

09007033
UG Third Year (B.Tech.)
Male
DOB: 07/08/1992

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2011	7.70
Intermediate/+2	Intermediate Board of Education, Andhra Pradesh	Narayana IIT Academy	2009	95.10
Matriculation	Andhra Pradesh board of secondary education	St. Gabriel's High School	2007	89.67

Scholastic Achievements

- Secured an **All India Rank - 420(OBC-046)** among 4 lakh students appeared for Joint Entrance Examination (IIT-JEE) 2009
- Succeeded in All India Engineering Entrance Exam - 2009 with an **AIR-1286(OBC-160)**
- Secured **State Rank -318** among 2 lakh students appeared for EAMCET 2009 (State Level Engineering Entrance Exam)
- Secured **376 marks out of 450** in BITSAT - 2009
- Qualified for Indian Statistical Institute Exam - 2009

Projects Undertaken

Change Vending Machine: course project *Prof. Udayan Ganguly (Mar 11 – Apr 11)*

- Part of a 3 member team for designing a machine that would **display the optimum amount** of balance in all kind of cash transactions
- The hardware of the machine includes **basic digital chips** which were then **programmed** on to a **FPGA board** for complex operations.
- The Display consists of an array of **7-segment display** units along with **Binary to Bcd conversion** chips

National Unique Identification: course project *Prof. D.B.Phatak (Sep 09 – Nov 09)*

- Part of a team of 5 for optimizing the code in C++ for **finger print analysis**
- Digitized a finger print image into **XML file** and smoothened it using **Gauss method**
- Applied algorithms to convert the image into **monotonic form** or binary image
- Develops an application using about **1000 lines of C++ code** which distinguishes and **matches finger prints** based on the difference in loops and curves

Position of Responsibility

- Coordinator, TechFest (Asia's largest Technical Festival at IIT Bombay) 2011
 - Conducted **Integration Bee** competition for the first time in IIT Bombay – a competition to bring out the genius of Mathematics
- Organizer, Mood Indigo (Asia's largest Cultural Festival at IIT Bombay) 2009
 - Effectively organized the most popular event of Mood Indigo – **Pronite**

Areas of Interest

- Management, Web Designing and Development
- Electrical and Electronic Projects
- Animation, Photography, Video Editing

My Courses

- **Electrical Engineering:**
 - Microprocessors, Electrical Machines and Power Electronics, Network Theory
 - Signals and Systems, Communication Systems, Digital Systems
 - Analog Circuits, Electromagnetic Waves, Electronic devices and circuits
 - **Courses to be undertaken before the commencement of Intern:**
 - Control Systems, Power Systems
 - Digital Communications, Digital Signal Processing
- **Statistical Courses:**
 - Probability and Random Processes
 - Data Analysis and Interpretation
- **Basic Sciences:**
 - Calculus, Linear Algebra, Differential Equations, Complex Analysis
 - Electricity and Magnetism, C++ programming language
- **Other Courses:**
 - Introduction to Psychology, Economics, Introduction to Industrial Design, Engineering Drawing, Mechanical Workshop

Technical Skills

- **Programming Languages:** C and C++, HTML, XHTML, CSS, PHP, Java-script, 8085-Assembly language
- **Softwares:** Adobe Flash CS3, Adobe Photoshop CS5, Adobe Dreamweaver CS4, Sony Vegas, Power Director, Matlab, Scilab
- **Operating Systems:** Windows, Linux

Extra-Curricular Activities

- **Technical:**
 - Made an electronic four-wheel car bot in in **F-1Car Racing**. The car was remote controlled using wireless transmission and **unique key system** was used to avoid foreign frequency interruption.
- **NSS:**
 - Was a part of Institute **NSS(National Service Scheme)** program for one year at IIT Bombay. Went for many tours for acknowledgement about living conditions of people
 - Participated in **Educational Outreach** Program. The corner stones of the program are primary and secondary education of children belonging to the disadvantaged section of the society and adult literacy
 - Was part of **RISE**(Remedial Instruction for School Education)–NSS
- **Cultural:**
 - Participated in Performance Arts Festival-2010,2011
 - Won many competitions (music) at School Level
- **Sports:**
 - Participated in Institute Cricket coaching workshop- 2009 and enthusiastic in playing many games