



ANUSH VEERANALA
Computer Science & Engineering
Indian Institute of Technology, Bombay

09005055
UG Third Year (B.Tech.)
Male
DOB: 18th March,1991

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2011	6.81
Intermediate/+2	BIE Andhra Pradesh	Sai Vikas	2009	94.90
Matriculation	AP SSC Board	Sri Krishnaveni Talent School	2007	90.00

Academic Achievements

- Secured 545 rank (top 0.1%) in IIT-JEE 2009
- Secured 105 rank in AIEEE-B.Arch 2009
- Secured 722 rank (top 0.07%) in AIEEE-B.Tech 2009

Internship: Company:Yabuca ,Houston, TX, USA

- Selected by a week long test.Worked on Development(fixing bugs) of yabuca.com website.
- Worked with Ruby on rails,Mysql,css,html

Internship Research: Image Processing(Guide: Prof B.K.Mohan)

- Worked on Fast Connected Component Labeling Algorithm using A Divide and Conquer Technique by Jung-Me Park, Carl G. Looney, Hui-Chuan Chen in C++ which will be used in Image Segmentation .
- Worked on Context Based Classification by Probabilistic Relaxation Labelling Project by Peleg and Rosenfeld in C++
- Used Shell scripting to combine the whole Watershed Project

Projects Undertaken

Steganography(Guide: Prof Om Damani,Course project in C++)

- Worked on manipulation of least significant bits of pixel values of an image file to hide a text.
- Used Huffman Encoding and Decoding by storing coded text and Huffman code in the image file.
- Program can write information to images without distortion of image and can read the information from the image only if there is information in that image which is written by our program

Sudoku Generator and Solver(Guide: Amitabha Sanyal,Course project in Scheme)

- Worked on Sudoku game generator and solver by strategies:backtracking,candidate line, column-interchange,common-solution,double-pair,interchange,mutation,naked-pairs,single-candidate,single-position
- Programmed code to generate sudoku of 3 different levels in graphical interface.

Image Statistics(*Guide:Prof B.K.Mohan and Prof S.S.Gedam,Minor Course project in Python*)

- Worked on generation of image statistics for several types of images.

UID(User Identification Device)(*Guide: Deepak B Phatak,Course project in C++*)

- Digitized a fingerprint image into XML file and smoothened it using Gauss method
- Worked on finding patterns in the grey scale image

Text Book Companion Project (*Ongoing Project*)

- Coding all the example algorithms in the book Algorithms in C++ by Robert Sedgewick in Scilab

Position of Responsibilities

- Presently working as an Overall Coordinator for STUDe-Club,IIT Bombay.
- Was an active member of National Social Service team of IIT Bombay in the year 2009
- Worked as Co-Ordinator as well as an Organiser in E-Cell(Asia's largest entrepreneurship programme) 2011 in Events Department.
- Worked as an Organiser in Techfest 2010 (Asia's largest science and technology festival) in Media-Marketing Department

Software Skills

- Programming Languages : C,C++,Python,Scheme,Java(beginner)
- Scripting Languages : Shell Scripting
- Web Programming : HTML,CSS
- Softwares Tools : Ruby on Rails,Scilab,Emacs,Drscheme, .Net(beginner)
- Operating Systems : Several Versions of Linux, Windows

Miscellaneous

- Scored 97.5% in XI (Intermediate Public Examinatin Andhra Pradesh).
- Went to field trip to observe village life at Kapshi,Satara (as a part of National Social Service)
- Other activities:playing Badminton,Tennis,Table Tennis,Swimming,Trekking