



Sriram Bhargav Karnati
Computer Science & Engineering
Indian Institute of Technology, Bombay

09005067
UG Third Year (B.Tech.)
Male
DOB: 09-10-1992

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2011	8.83
Intermediate/+2	Board of Intermediate Education, A.P	Sri Sai Vikas Junior College	2009	95.10
Matriculation	Andhra Pradesh Board of Secondary Education	Ushodaya high school	2007	91.66

Achievements

- Secured ALL INDIA RANK **55** in **IIT-JEE** 2009 out of over **400000** students.
- Secured ALL INDIA RANK **22** in **AIEEE** 2009 out of over **1100000** students.
- Secured STATE RANK **1** in **GITAM** 2009 out of over **200000** students.

Areas of Interest

- Operating systems, Compilers
- Artificial Intelligence
- Algorithm Design
- Data Structures

Key Academic Projects

Search For a Sub-Word in Any Directory

Under Professor :O.M.Damani (CSE-DEPT.)

- As the name implicates ,given a word it will search for it in any directory specified in the filesystem and it lists all the documents that consists of those word or any SUBSTRING of that word and rank those documents
- Data Structure that is dominant in the project is SUFFIX TREE and implemented Ukkonen algorithm for the construction of suffix tree
- The Graphical User Interface is done using GTK+ library and complete project is coded in C++

Spin Doctor Game

Under Professor : Amitabha Sanyal (CSE-DEPT.)

- Implemented in PLT-Scheme and it has good graphics
- Inspired from online game (link) : <http://www.ugoplayer.com/games/spindoor.html>

National UID Project

Under Professor :Deepak B Phatak (CSE-DEPT.)

- A team of 80 members worked on the **INSTITUTE** project providing **unique identification** to student by his/her finger print.
- The team was further divided into 20 teams so that different teams work on different parts of project
- I was one of the Teamleaders and our part of the project was to create the **database** of all students registered with their **FingerPrints** and inspect for Malregistration and Reregistration

Computer Skills

- Programming Languages:- C,C++,Java,Perl,Python,Scheme,Prolog
- Web Programming:-Javascript,PHP,Jquery,XHTML,CSS
- Softwares :-Matlab,Office,Latex ,Scilab
- Operating Systems:- Windows,Ubuntu

Important Courses

- Department Courses:-

Design & Analysis of Algorithms, Data Structures & Algorithms, Discrete Structures, Logic Design, Automata Theory, Abstractions & Paradigms of Programming, Software Systems Lab, Operating Systems*,Databases* , Computer Architecture*, Artificial Intelligence., Compilers., Computer Networks., Embedded Systems Lab.

- Mathematics Courses:-Linear Algebra, Differential Equations, Calculus, Data Analysis and Interpretation, Numerical Analysis
- Honor Courses:- Graph Theory, Computer Graphics*
- Minor Courses:- Animation

*Courses currently pursuing, they are also have their respective labs(Except minor)

+ Courses pursued in next semester,they also have their respective labs

Positions of Responsibility

- Worked as Co-ordinator for Media&Marketing Team in **TechFest** 2011
- Worked as Organiser for Lecture Series Team in **TechFest** 2010

Extra Curricular Activities and Hobbies

- Active member of Web and Coding club of IIT Bombay.
- Enjoy solving puzzles and math, logic problems
- I love to play carrom and chess and i won many district level competitions in carrom and i secured 4th position in CARROM-GC 2010(General Competition) held in IITBombay
- Was member of **NSS** in 2009-10, where we carried works like **cloth donation programs**, taking surveys of living conditions of the tribals

I hereby declare that all the above statements are true by best of my knowledge,

K.Sriram Bhargav