Sai Teja Pratap Reddy **09005057**
Computer Science & Engineering **UG Third Year (B.Tech.)**
Indian Institute of Technology, Bombay **Male**
DOB: 13/04/1992

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2011	8.27
Intermediate/+2	BIE,Andha Pradesh	Sai Vikas Jr College	2009	95.00
Matriculation	SSC,Andhra Pradesh	Geetanjali Talent School	2007	93.33

Areas of Interest

- Computer graphics
- Data structures and Algorithms
- Automata Theory

Technical Skills

- Programming Languages:- fluent in C,C++,C#, Java, Scheme
- Web Programming:-fluent in JavaScript, SQL, HTML, CSS and familiar with PHP,JSP
- Software Tools :-Scilab, Office, Latex etc
- Operating Systems:-Windows, Linux(Ubuntu, Fedora, Open Suse)

Scholastic Achievements

- Secured All India Rank **57** in **IIT-JEE** out of nearly 400,000 students.
- Secured All India Rank **756** in **AIEEE** B.Tech stream and All India Rank **6** in AIEEE B.Arch stream**.**
- Secured State Rank **493** in EAMCET out of nearly 250000 students
- Awarded the Merit-Cum-Means Scholarship of IIT Bombay

Work Experience

Organization: Prime Technologies, Mumbai **Work Profile**: Software Developer (2011 May - 2011 July)
Description of work: Prime Technologies is designing software which checks the precision of machine parts like hobs and gears. I worked in the team which designed and implemented top level structure of the code and made a plug-in for a machine part called hob.

Academic Projects

- Travelling Salesman Problem
  The project takes points as inputs through a graphical interface and displays the Hamiltonian paths that approximately solve the travelling salesman problem. We implemented 5 algorithms that give approximate solution to TSP and represented it in a complete graphical interface implemented in C++.
  Guide: Prof. Om P Damani

- Drawing Tool
  The project is implemented using functional programming in Dr-scheme .The program works similar to MS PAINT with drawing tools like brush tool, paint bucket, color picker etc. We used the graphics libraries of Dr-Scheme to achieve this.
  Guide: Prof. Amitabha Sanyal

- Mini UID Project
  The project uses finger print detection which can be used for attendence. The project is implemented in C++. Our team (consisting of 5 students) completed the registration part of the project which takes the input from the users, validates the input and stores it.
  Guide: Prof. DB Phatak

- Design of Taxi pooling system for Mumbai
  The goal of the project is to Design a taxi pooling system for Mumbai making use of the technology available. For the project we conducted interviews of taxi drivers, passengers and finally came out with a solution which is designed for Mumbai city.
  Guide: Prof. Anirudha

Relevant Course Work

- Department Courses
  Design & Analysis of Algorithms, Data Structures & Algorithms, Discreet Structures, Logic Design, Automata Theory, Abstractions & Paradigms of Programming, Software Systems Lab, Operating Systems*, Databases*, Computer Architecture*, Computer Graphics*
  Artificial Intelligence^{+}, Compliers^{+}, Computer Networks^{+}, Embedded Systems Lab^{+}
- Industrial Design
  Introduction to Industrial Design, Human Computer Interaction, Design Issues*
- Math and Statistics
  Data Analysis and Interpretation, Numerical Analysis, Linear Algebra, Calculus

*Current Semester Courses
$^{+}$Next semester courses (to be completed before the commencement of the intern)

Other Activities

- Worked as Coordinator & Organiser in *TechFest* (technical Festival Of IIT-Bombay)
- Worked as Coordinator in *SARC* (Student Alumni Relation Cell Of IIT-Bombay)
- Worked as Organiser in *E-Summit* (Fest of Entrepreneur Cell Of IIT-Bombay)
- Was a part of NSS in the freshman year
- Took part in a few short movies and a skit(performed on Republic day) in the freshman year

Declaration

I hereby declare that the information given above is true to the best of my knowledge, as of August 2010

-Sai Teja Pratap Reddy