



GUJJULA TARUN
Computer Science & Engineering
Indian Institute of Technology, Bombay
Specialization: B Tech

09005068
UG Third Year (B.Tech.)
Male
DOB: 13/09/1991

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2011	7.82
Intermediate/+2	BOARD OF INTERMEDIATE EDUCATION, AP	VISAKHA JUNIOR COLLEGE	2009	95.10
Matriculation	CENTRAL BOARD OF SECONDARY EDUCATION	VISAKHAVALLEY SCHOOL	2007	86.40

SCHOLASTIC ACHIEVEMENTS

- Secured **All India Rank – 7** (reserved category) in **IITJEE**, an exam which was given by over 300,000 students all over the country
- Secured all India **22nd** rank in AIEEE B.Arch and **4th** rank (reserved category) in All India Engineering Entrance Examination B.Tech
- National Science Talent Search Exam (**NTSE**) scholar conducted by Central Board Secondary Education , New Delhi
- Selected for interview in **Kishore Vigyanic Protsaha Yojana (KVPY) scholarship** conducted by Indian Institute of Science (IISC) Bangalore

ACADEMIC PROJECTS

- MINI NATIONAL UID:** This Project was Biometric Fingerprint Analysis and its Application. It was undertaken by a team of 80. Was part of Database Storage and Management and its Application which was 'class attendance'. The project was coded in C++. Guided by: **Prof. Deepak B Phatak**
- TOP GUN (Fighter Plane Game):**
A fighter plane game coded in Scheme using OPEN-GL Library. The game is about how the user's plane shoots of the enemies without getting destroyed in a 3-D Environment giving a realistic feel. Guided by: **Prof. Amitabha Sanyal (HOD of CSE Dept IITBombay)**
- MICRO-SIMULATION OF ROAD TRAFFIC:**
Designed a road network by using graph data-structure which constituted roads, junctions, cars etc. and implemented functions which used BFS , DFS , Dijkstras algorithms .GUI was done using Open-GL library. Guided by: **Prof Om P Damani**
- MULTIPLE-SPEAKER TRACKING:**
Designed an application which will take an audio source and clusters the signal based on the speakers. Technically called speaker-diarization. Coded in Matlab. It was done under IPTSE by Carnegie Mellon University at IIIT Hyderabad. Guided by: **Prof Bhiksha Raj, Carnegie Mellon University and Prof Kishore Prahallad IIIT Hyd**
- GRAPHEME TO PHONEME CONVERSION:**
Designed a grapheme to phoneme conversion system using tools GIZA++ and MOSES. These tools use state of art statistical machine learning techniques to train the system. The corpuses being used was CMU Pronunciation Dictionary which consisted of about 1.26 lakh words and their corresponding transcriptions. Guided by: **Prof Pushpak Bhattacharyya, Coordinator of CFILT IIT Bombay**

AREAS OF INTEREST

- CORE:
 - Signal Processing
 - Functional Programming
 - Artificial Intelligence
 - Algorithms and Complexity
- BREADTH:
 - Art and Designing , Pencil Sketching
 - Composing Music
 - Debating

COMPUTER SKILLS

- PROGRAMMING SKILLS: Fluent in C/C++, Java , Scheme(Lisp Language), prolog
- SOFTWARE SKILLS: Matlab, Scilab, Adobe Photoshop, MS Office
- SCRIPTING LANGUAGES: Php, javascript, AJAX
- WEB DESIGNING: HTML, CSS, XML, SQL
- OPERATING SYSTEM: Linux, Windows

POSITION OF RESPONSIBILITY

- Working as a **coordinator** in web-team, phonathon-team of **Students Alumni Relations Cell (SARC)**, IIT Bombay
- Worked as an **organizer** for **TechFest 2010**

COURSES UNDERTAKEN

- CORE:
 - Computer Programming and Utilization
 - Abstractions and Paradigms in Programming and Lab
 - Data Structures And Algorithms and Lab, Discrete Structure and Design and Analysis Of Algorithms
 - Graph Theory and Automata Theory And Logic
 - Software Systems Lab
 - Computer Architecture
 - Operating System
 - Database Systems
- BREADTH:
 - Mathematics: Calculus, Linear Algebra, Differential Equations, Numerical Analysis
 - Statics: Data Analysis And Interpretation
 - Physics: Modern Physics, Physics Lab, Introduction to Electrical and Electronics Circuits
 - MINOR COURSES Introduction to Industrial Design, Design Issues
 - Others: Economics, Engineering Drawing, Mechanical Workshop, HSS core and electives.

EXTRA-CURRICULAR ACTIVITIES

- Graduated **6-Grades** from **Trinity College of London (now Trinity Guildhall School of Music)** in **Piano**.
- Performed over 15 songs at Surbahaar '09 , '10 and Swar Sandhya '10, '11 the two biggest musical events at IIT Bombay as well as at various cultural events
- Awarded 1st in Band Performance in Freshiezza both in Indian and Western Music and 1st and 2nd in Background Score Music in Performance Arts Festival (PAF) in 2011 and 2010 respectively.
- Bagged first place in Music General Championship 2011 of IIT BOMBAY
- Awarded hostel Cult-Colour and Paf-Colour for the year 2011.

I hereby declare that all the information I have mentioned above are true to my knowledge

GUJJULA TARUN