GONTU RAJESH REDDY

4TH YEAR DUAL DEGREE, MECHANICAL ENGINEERING DEPARTMENT,

COMPUTER INTEGRATED MANUFACTURING,

Email: grajeshreddy@iitb.ac.in

PROFILE

Degree	University	Year of completion	CGPI/%
BTech + MTech (Dual Degree)	IIT Bombay	2013	7.04
Intermediate/+2	Vijaya Ratna Junior College	2007	89.9%
Matriculation	Sree Sree Educational Society	2005	89%

ACHIEVEMENTS

- Secured **All India Rank 940** in IIT JEE 2008, among the 420,000 appearing for the examination
- Secured a rank of **826** in the **All India Engineering Entrance** Examination (AIEEE) conducted by C.B.S.E, among 8,590,000 students giving the examination
- Qualified for **B.Math** Entrance Examination of ISI (Indian Statistical Institute)
- Secured All India Rank of **98** in the **VIT National Examination**
- Was awarded district **1st** in the **Ramanujan Mathematics** Talent Examination
- Achieved **3rd** (state 20th) position in **CV Raman** Council of Educational Awards
- Was the team leader in the fabrication of a new space settlement colony(EILA 009), in the international competition conducted by **NASA** in 2009
- Guided as a teacher for a group of students participating in **NSS (Nasa Space Settlement)** contest in 2010 and achieved Honorable Mention for the group and won **TEACHER RECOGNITION AWARD** in making the space colony ZAAZVATA E10

INTERNSHIPS

Future Group   *Mumbai, May–July'11*
- *Worked in the **Order Management System** team and designed the ticketing system in Django*

Bharath Heavy Electronics Ltd. (BHEL)   *Hyderabad, Dec'10*
- Worked on the project of Adour Engine in which I was responsible to model the **Adour Engine CAD Model** by dealing with STL files.

RESEARCH PROJECTS

Development of GUI for Rapid prototyping   *IIT Bombay, May-Jun'10*
- Developed **STL viewer** for **OpenGL** display of 3D prototypes leading a team of 4 people

Simulation of Residual Stresses in Micromachining   *IIT Bombay, Sep-Nov'10*
- Performed simulation and developed a 3D model displaying the residual stresses in Micro Machining using the software **Deform**

ACADEMIC PROJECTS

Design of Rolling Mill:
* *Performed a detailed and systematic design of Rolling Mill by considering all the design specifications such as rolling force, power, etc.*

Digital Calculator
* Developed a digital calculator using the object oriented programming in **C++**

POSITION OF RESPONSIBILITY

Organizer
* Worked as an Organizer in the Physical Computing Department in **TechFest '09**, IIT Bombay, the Asia's largest Tech Festival

TechFest Coordinator
* Worked as a Coordinator in the FreeKick Department (Events) in **TechFest'10**, IIT Bombay

E-Cell Coordinator
* Worked as a Coordinator in the Web Department, in **E-Cell**, IIT Bombay, the biggest Entrepreneurship Cell in India

Teaching Assistant
* Worked as a Teaching Assistant in JEE Coaching Institutions like PACE, IITians Foundation

TECHNICAL SKILLS

* **Programming Languages:** C,C++,HTML, XHTML, JavaScript, CSS, POV-Ray coding, OpenGL
* **Software Tools:** Deform, Ansys, Persistence Of Vision (POV-Ray), AutoCAD, 3D Studio Max, Autodesk Maya, Matlab, Mathematica, Microsoft Office

RELAVENT COURSES

Introduction to Operations Research	Introduction to Optimization
Inventory Control and Management Systems	Heat Transfer
Data Analysis and Interpretation	Thermodynamics
Advanced Calculus and Algebra	Fluid Mechanics
Introduction to Micro and Macro Economics	Strength of Materials
Computer Programming and utilization of C++	Manufacturing Processes
Human –Computer Integration	Rapid Product Development

EXTRACURRICULAR ACTIVITIES
* Achieved **Best Director Award**, for "Cool Mint AD", from **SFMI**
* Winner of **Best Film** in **Radiance'11** Filmmaking Competition
* Directed a movie "Break The Ball", which got nominated in **MiniBox Office Int Film Festival'10**
* Won **Best Video Editing** in " Swine Flu "video making competition (2009)
* Won First prize in **painting** competition conducted by Rotary club in my district
* Achieved first place in the **philately quiz** conducted by the Postal Department of India (2004)