Manikanta Reddy D

2nd year undergraduate
Dept. of Computer Sciences
Indian Institue of Technology, Kanpur

EDUCATION

B.Tech, Computer Sciences   2013-
Indian Institute of Technology, Kanpur   Grade : **8.0/10.0**

Intermediate   2011-2013
Sri Chaitanya Narayana Group, Hyderabad   Grade : **96.9/100**

High School   2000-2011
Sri Chaitanya Group, Hyderabad   Grade : **94.3/100**

SCHOLASTIC ACHEIVEMENTS

AIR 121   **Gold Medal**
IIT-JEE, 2013   *IGNOU-SAARC Olympiad, 2011*

KVPY Scholar   **Aditya Birla Scholarship**
Placed 37th in CML, 2011   *Nominated in 2013*

SKILL SET

Programming	Design	Misc
C	Photoshop	R
Python	After Effects	Weka
HTML	Gimp	OpenCV
CSS	Blender	bootstrap
js	Openshot	reveal.js
shell		

PROJECTS

Gesture Recognition   (May-Jul 2014)
• Developed an Application in C using *OpenCV* capable of recognising gestures made by us.
• The video input was fed into the system which then characterised the motion of the hand into characteristic directions after passing various Gaussian filters and thereby used them to understand the gesture and hence execute a gesture.

•We then approched an other method of Gesture recognition using HSV color spaces and thresholdings

Analysis of Gamma Ray Data from Markarian 421 and Crab (Dec 2013)
•This project involved Analysing Data from Gamma Ray Telescopes under Dr. K.K Yadav and Dr. R. C Rannot, at BARC, Mumbai.
•The processing of images, made available from various cherenkov detectors, involved developing algorithms for separating objects by identifying boundaries/ edges in the low resolutions images

Carnival of Rust (Aug-Nov 2014)
•A project by our Team was adjudged to be the Best Sectional Project in the course TA201
•The project involved modelling an *amusement park* utilising many industrial processes varying from *casting, welding, shearing,* etc.

INDIAN INSTITUTE OF TECHNOLOGY
GRADE REPORT

ROLL NO : 13265
NAME : DORNALA MANIKANTA REDDY

DEPARTMENT : COMPUTER SC. & ENGG.
PROGRAM : BACHELOR OF TECHNOLOGY

YEAR/SEM	COURSE	TITLE	UNIT	GRADE	SPI	CPI
2013-2014 FIRST	CHM101A	CHEMISTRY LABORATORY	3	A		
	ESC101A	FUNDAMENTALS OF COMPUTING	14	B		
	MTH101A	MATHEMATICS I	11	B		
	PE101A	MORNING EXERCISE	3	S		
	PHY103A	PHYSICS II	11	C		
	PSY151A	INTRODUCTION TO PSYCHOLOGY	11	B		
					7.7	7.7
2013-2014 SECOND	CHM102A	GENERAL CHEMISTRY	8	B		
	LIF101A	INTRODUCTION TO BIOLOGY	6	B		
	MTH102A	MATHEMATICS II	11	B		
	PE102A	EVENING EXERCISE	3	S		
	PHY101A	PHYSICS LABORATORY	3	B		
	PHY102A	PHYSICS I	11	A		
	TA101A	ENGINEERING GRAPHICS	9	A		
					8.8	8.2
2014-2015 FIRST	COM200	COMMUNICATIONS SKILLS: COMPOSITION	5	S		
	CS201A	MATHEMATICS FOR COMPUTER SCIENCE-I	9	C		
	CS210A	DATA STRUCTURES AND ALGORITHMS	12	B		
	ESC201A	INTRODUCTION TO ELECTRONICS	14	B		
	ES0202A	MECHANICS OF SOLIDS	11	B		
	TA201A	MANUFACTURING PROCESSES I	6	B		
					7.7	8.0