SATYAPRIYA KRISHNA

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OBJECTIVE   Research Work in Summer-15

EDUCATION ACHIEVEMENTS

- B.Tech(3rd Yr),Computer Science,The LNMIIT,Jaipur, :CGPA= 7.23/10
- Expected Date of Graduation : June 2016
- 10th Grade :CGPA: 7.8/10
- 12th Grade :Percentage = 72.6
- AIR-13196 IIT-JEE-2012 among 500000 participants
- AIR-26027 in AIEEE-2012 among 1 million participants
- Ranked 7th in University after 4 th Semester out of 150 students(appox.)
- 7th rank in University after 5th semester out of 150 students(approx)

KEY ACADEMIC COURSES

- **Computer Programming**
- **Computer Organisation and Architechture**
- **Operating System**
- **Data Strucures**
- **Design and Analysis of Algorithms**
- **Core and Advanced JAVA-OOPS**
- **Database Management Systems**
- **Software Engineering And Project Management***
- **Principles of Evolutionary Computation**
- **Computer Networks***
- **Theory Of Computation***
- **Fundamentals of Computer Vision***
- Digital Circuit And Systems
- Discrete Mathematics
- Numerical Analysis
- Operation Research
- Physics-1(Mechanics)
- Math-1(Real Analysis)
- Math-2(Differential Equation)
- Math-3(Complex Analysis)
- Literature And Values
- Microeconomics*
- Policy Making In India

*Courses in ongoing(6th) Semester

INDEPENDENT COURSES

- Object Oriented Programming Using JAVA -Seed Infotech,Pune
- Microeconomics -University of Illinois at Urbana-Champaign,Coursera.com
- Design And Analysis of Algorithms- Microsoft Research
- Web Development-Internshaala.com
- Computer Vision -NIT ,Rourkela

COMPUTER SKILLS

Languages & Software: C,C++,JAVA,MATLAB,Python,HTML,PHP
Operating Systems: Windows, Ubuntu 12.04.
Database: MySQL,Oracle,MongoDB
Type-Setting Software: Latex
Frameworks: Java Struts, Android

KEY ACADEMIC PROJECTS

Instruction Set And Its Assembler   **Fall 2013**
Supervisor- **Dr. Preety Singh**
Computer Science Dept.,LNMIIT,Japur

- Designed an Instruction set of 16 bit word size and 20 bit Address
- Assembler of the Instruction set was developed using Hashtable and Tree Data Strucure
- Programming Language -8085 Machine Language(Reference), C Language
- Operating System-Ubuntu 12.04

Process Communication Using Token Rings   **Spring 2014**
Supervisor- **Dr. Preety Singh**
Computer Science Dept.,LNMIIT,Japur

- Used the concept of Token Rings for process communication
- Tested this model on various calculations such as Factorials, Image Processing calculations to examine its performance
- Programming Language -C,C++
- Operating System-Ubuntu 12.04

Inventory Database Management System   **Spring 2014**
Supervisor- **Mr. Subrat Kumar Dash**
Computer Science Dept. ,LNMIIT,Japur

- Built a web application to store and manage Inventories of a store
- Applied the concepts of Normalization Forms for Database Management
- Applied various security measures such as SQL injection
- UI was developed using CSS,PHP HTML,Javascript.
- Database Used- MySQL
- Included Apache Server
- Operating System- Ubuntu 12.04

RESEARCH EXPERIENCE

*Research Intern-***Shadow Removal Using Color Invariance**   **Summer 2014**
Supervisor- **Prof. B.Majhi**
Computer Science Dept. ,NIT Rourkela

- Worked on Color Invariance models to detect shadows
- Used I1I2I3, HSI, YIQ and YCR Color Invaiance Models to detect shadows
- Canny Edge Detection,Sobel Operator and Otsu Thresholding techniques were among the algorithms used in the research
- Development Software - MATLAB
- Operating System-Windows 7

Research Project- **Similarity Measures of Recommender Systems**   **Fall 2014**
Supervisor- **Mr. Vibhor Kant**
Computer Science Dept. ,LNMIIT,Jaipur

- Worked on finding adaptive similarity functions in Recommender Systems using **Genetic Programming**
- Implemented papers on deriving a similarity measure using Genetic Programming
- Pearson Model and cosine method was used for performance comparison
- Development Software Used - MATLAB
- Operating System-Windows 7

WORK EXPERIENCE

PHP Programmer-**NIC, Govt. Of India**   **Winter 2014**
Project- **Project Tracker Information System**

- Worked from 26th Nov,2014 to 30th Dec,2014
- Contributed in maintaining a software that helps track the progress of several other projects
- Responsible for building reliable and faster system to access tracking info. using PHP
- Worked on Linux and Windows OS

WORKSHOPS PARTICIPATONS

- Regular participant of Codechef.com(handle- OMA) , Hackerearth.com(Handle-y12uc231)
- Attended Web Development Workshop at Techfest,IIT Bombay(Jan -13)
- Attended International Workshop on Emerging Technologies ,LNMIIT (Jan-14)
- Attended Workshop on Modelling , Simulation and Computational Technologies ,LNMIIT (Jan 15)
- Student Member ACM

CERTIFICATIONS

- Core JAVA Certified Programmer, SEED,Pvt.Ltd,Pune
- Advanced JAVA Certified Programmer, SEED,Pvt.Ltd,Pune

EXTRA-CURRICULAR ACTIVITIES

- Singing, Basketball, online quizzes , puzzle aolving,suduko
- Student Member Sankalp Club,LNMIIT
- Member -Mess Worker Education Program