

Vishesh Raimugia

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EDUCATION

University Of Southern California

Masters in Computer Science

August 2015

University Of Mumbai

Bachelor of Engineering

Secured 80.2% in Final Year

May 2014

PROJECTS & WORK EXPERIENCE

- USC Student Researcher: Social Facial Expression Recognition
 - Using Deep Learning Networks to recognize Facial Expression of multiple subjects in a group
 - Detection of Landmarks and Profile face
- Air Writing: Alphanumeric Character Recognition, Senior Year Project
 - Implemented the preprocessing of input using background subtraction algorithm and segmentation of input image into individual characters and designed the neural network
- Student Programmer - Continuous Time Convolution, Java Applet based Project, IIT Bombay
 - Handled the requirement gathering process of the system and implemented the Integration module of the project
- ETL tool for Hotel Management Data warehouse system
 - Lead the team during design phase of the project & heavily contributed to the Extraction of data from various databases & other flat files into our warehouse using Java
- Online Movie ticket Booking System, Web Application
 - Implemented the database connectivity using PHP & MySQL and helped in preventing SQL Injection attacks and Implemented the ticket booking module of the system
- 3D-Battle Tanks Multiplayer game created using Blender
 - Implemented the physics of the tanks and the bullets and also designed the various maps used in the game
- Efficient Multicast Algorithm for Wireless Mesh Networks
 - Conducted Research and gave a seminar on the given topic

SKILLS

- Programming Languages: C, C++, Java, Python, R
- Design and Simulation Software: AutoCAD, MATLAB and Blender
- Databases: MS Access, Oracle 10g and MYSQL
- Web Technology: HTML5, XML, CSS, PHP
- Operating System: Windows, Linux, Mac OS
- Libraries: OpenCV, Dlib, Keras

EXTRA-CURRICULAR ACTIVITIES

- Conducted Lectures on Competitive Programming for Students
- Conducted Programming Competitions
- Regular Participation in Competitive Programming Competitions
- Qualified for 2nd round ACM-ICPC Amritapuri Regional finals, 2012
- Qualified for 2nd round ACM-ICPC Kharagpur Regional finals, 2013
- 2nd Prize in "DJSCOE Code Mania", coding competition, 2013
- Taught students "Basics of Java", at Rustomjee International School
- Volunteered for "Dharma Bhartiya Mission NGO", teaching English to underprivileged children