# **SARAVANAN** GANESH

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## EDUCATION

**University of Southern California** **Los Angeles, California** **May 2014 (Expected)**

M.S. in Computer Science specializing in Human Language Technology, CGPA: 3.0/4

**Amrita Vishwa Vidyapeetham** **Coimbatore, India** **July 2008 - May 2012**

B.Tech. in Computer Science and Engineering, Core CGPA: 8.75/10

**Relevant Coursework**

Analysis of Algorithms – Foundations of Artificial Intelligence – Pattern Recognition – Net-centric Programming
Database Management Systems – Software Engineering – Computer Language Engineering

## SKILLS

(***) Advanced (**) Intermediate (*) Apprentice
**Programming**: (***) Java (**) C++, Object Oriented Programming
**Web**: (**) HTML, JavaScript, CSS (*) ASP.net, AJAX
**Database**: (**) Database Design, SQL
**Research:** (**) NLP, IR (*) Color Segmentation

## PROJECTS

**Multi-Step Research System for Image Processing – 5 months**
Built a command-line end-to-end research application with modules for decision tree learning, clustering, organization, image disintegration, and rebuilding - using the WEKA open source library. Java

**Extractive Temporal Summarization of News Archives – 3 months**
Built a summarization application that crawls a daily's news archive, clusters related articles, and presents a summary on a timeline using statistical IR, shallow NLP, and machine learning techniques. Java

**Platform for Sharing and Managing Large Educational Resources – 1 month**
Built a lightweight website that allows user to make accounts, store, and share large files. JSP / HTML

## EXPERIENCE

**Student Programmer** at **USC Cancer Research Informatics Core** **October 2012 – Present**

Maintaining and enhancing uscnorris.com involving server-side scripting in VB and ASP.net, client-side scripting in JavaScript and AJAX, and database design on an SQL Server.

**Directed Research Student** at **USC Information Sciences Institute** **September 2012 – Present**

Studying and optimizing algorithms for color segmentation in traffic sign images using principles of classification, and supervised machine learning.

## OTHER INTERESTS

Product Design, Digital Art, Technology Current Affairs