

RAMYA AKULA

Ph.D. Student

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EXPERIENCE

Ph.D. Student in Computer Science

Complex Adaptive Systems - University of Central Florida

January 2018 – Ongoing

- Project: ASSIST. Understanding machine consciousness using machine learning.
- Project: NSF I-Corps. UCF Site program in Spring 2019 and national program in Summer 2019.
- Project: Mentoring Decision Support systems course.
- Project: Socialsim. Human behavior analysis in social networks using machine learning.
- Text automation using Natural Language Processing techniques

Project Engineer

P3 Group GmbH

June 2015 – July 2017

- Development of OSCAR - Offer-ability Specification Card Reader of various aircraft models for Airbus
- CSPS - Curved Stiffened Panel Sizing Data Extraction: Data analysis of stress calculations of various aircraft parts. Extraction and visualization of this data. Automated Mod closure reports for A350 ESI configuration management.
- Developed a tool to convert the ASCII data into a user readable PDF using Java 2 standard edition.

Master Thesis

Technical University of Kaiserslautern

Dec 2014 – May 2015

- Project: Intelligent Visualization of Complex Social Networks. Implemented a smart visualizing tool using hierarchical edge bundling layout and K-nearest neighbors to classify the similar users, to reduce the visual clutter and to improve the bundling strength among the users.

Software Quality Analyst

EXCO GmbH

Nov 2013 – Dec 2014

- Project: ACCU Check - Software to read blood glucose measurement from a medical device. Developed and assessed the test cases.

Research Assistant

Deutsches Forschungszentrum für Künstliche Intelligenz (DFKI) GmbH

June 2013 – October 2014

MY LIFE PHILOSOPHY

"Courage found from unlikely journeys of life...Live Simple...Love Healthy..."

EDUCATION

Ph.D. in Computer Science

University of Central Florida, U.S.A

January 2018 – ongoing

Masters of Science in Computer Science

Technical University of Kaiserslautern, Germany

Feb 2013 - April 2015

Bachelors of Technology in Computer Science and Engineering

Jawaharlal Nehru Technological University, India

Sept 2006 – May 2010

MOST PROUD OF

Experiencing different lifestyles yet achieving successful professional and personal life.

Graduating with 3 technical degrees from 3 different continents.

STRENGTHS

Python Java Machine Learning
Artificial Intelligence
Natural Language Processing
Agile/Scrum Methodologies
Software Development
Business Management Hard-working
Motivator & Leader

- Project: 3D Reconstruction of an object for Smart Society Development. Had read the distorted images and calculated intrinsic and extrinsic parameters of the camera. Based on the information from camera calibration, the rotation and displacement of the captured object in the real world was calculated.

Software Engineer

Regional Center for Urban Environmental Studies (RCUES)

📅 July 2011 – Feb 2013

- Project: Data Management Portal. Developed widgets and responsive web layout application for better visualization of Urban Planning Statistics in both desktop and mobile applications. Developed user management system which is a single access point for all datasets gathered from various governmental organizations and ministries to improve the retrieval results for administrative section.

Software Developer

Inventurus Software Solutions

📅 July 2011 – Feb 2013

- Project: Optical Character Recognition inspired tool. Developed a java embedded database application to handle user health insurance data management in the repository and to optimize the dynamic search for the text and scanned documents using pattern matching and feature extraction.

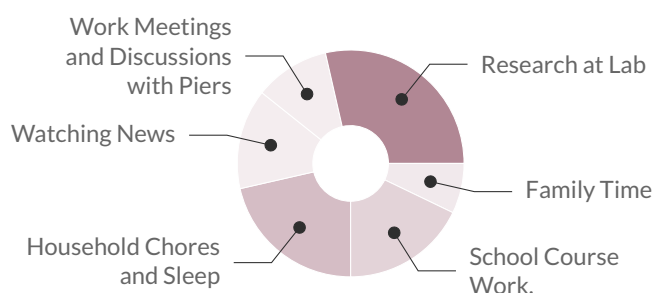
Bachelor Thesis

Satya Technologies

📅 December 2009 – May 2010

- Project: Chat Client. Implemented a Java Applet that received a one-client connection to show the user's message and to process these messages by multi-thread execution. Provided a chat export feature that enables user to maintain local chat history.

A WEEK DAY OF MY LIFE



LANGUAGES

English
Telugu
Hindi
German
Kannada
Spanish



REFEREES

Dr. Ivan Garibay

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