RAJA KAMARAJ

Phone: 7048196294   Email: rkamaraj@uncc.edu

Academic Background:

University of North Carolina, Charlotte   GPA: 3.77/4.0
Master of Science, Computer Science   May 2016

R.M.K. Engineering College, Anna University   GPA: 7.52/10
Bachelor of Technology, Information Technology   April 2012

Professional Profile:

Graduate Teaching Assistant   **Jan 2016 – Till Date**
University of North Carolina, Charlotte
I have been teaching assistant for the course which introduces the techniques involved in the planning and implementation of large software systems.

Web Developer   **Oct 2012 – Dec 2014**
TATA Consultancy Services
I have worked in a project to create and support a Pricing Tool for Marriott which gives the optimized pricing point for a particular company based on the historical data like the hotel room availability, travel history and the demand. My primary responsibilities are,

- Gathered requirements and Prepared detailed functional specification documents.
- Prepared use case and Business process flow documents related to CMMI model.
- Designed and developed the application using Struts 2.0 and DOJO framework, Unit testing, Integration testing and Deployment.

Technical Expertise:

- **Programming skills**   : C++ , Java and Python
- **Web technologies**   : PHP, JSP, Servlets, Node.js, Angular.js, Bootstrap, JQuery, DOJO and D3.js
- **Web Services**   : RESTful and SOAP
- **Framework**   : MVC, Apache Struts 2.0, Django and Spring
- **Cloud computing services**   : IBM Bluemix, Microsoft Azure and Amazon Web Services
- **Design Tools**   : Rational Rose, Adobe Dreamweaver and QT designer
- **Web servers**   : XAMPP Server, IBM Web Sphere and Apache Tomcat
- **RDBMS**   : IBM DB2 9.7, MySQL and Oracle 10g
- **No**-SQL Databases   : MongoDB, DashDB
- **Version control tools**   : Clearcase, GitHub and Bit bucket
- **IDE**   : Eclipse, IBM Rational Application Developer 6.0 and 8.0, NetBeans

Undergraduate Research:

- **Work for Worker**   **Jan 2011 – Apr 2011**
  A web based application that bridges the gap between skilled workers and the public, Construction and companies. This project has been successfully completed and submitted at "**The IBM Great Mind Challenge-2011**".

- **Document and Feedback transfer system**   **Sep 2011 – Mar 2012**
  A web based application which provides tools for managing collaborative, individual writing assignments in large cohorts, automated feedback, automatic question generation and process analysis features.

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Graduate Research:

- **Movie Appinions**   **Jan 2015 – May 2015**
  An android mobile application where users can search, read, store and share reviews with their friends about the movie.

- **Online Internship Tracking System**   **Jan 2015 – May 2015**
  A PHP web application which keeps track of the activities by the student, admin, business, skill, internship opportunities, interests and placements.
  URL: http://dbtektons.us-east-1.elasticbeanstalk.com/

- **Event Tracker**   **Nov 2015 – Till Date**
  A data analytic web based application where events are retrieved as per location. Based on the sentiment of the twitter data about the event, bar chart visualization and geographical map visualization were done using RESTful web services. Few enhancements are in progress.
  URL: http://appbluemixjavaeclipse.mybluemix.net/BlueMixAppJava/

- **Election predictive System**   **Aug 2015 – Dec 2015**
  A data analytic web application built on Angular.js and Node.js framework for predicting popularity of US Election candidates using RESTful web services.
  URL: https://electionpredictiveanalysis.mybluemix.net/

- **Sentiment Analyser**   **Aug 2015 - Dec 2015**
  A desktop application, developed using python in PYQT4 framework, which implements python NLTK algorithms and Alchemy API to parse and generate sentiments of amazon product reviews and visualize sentiments using PYGOOGLE chart.

- **Shark Attack Prediction**   **May 2015 – Aug 2015**
  Data mining techniques were explored to predict the shark attacks on the east coastal areas of North America using the data mining tool 'WEKA'. Pattern occurrence of environmental and meteorological parameters in past years were considered.

Prizes and Certifications:

- Received "Best use of IBM Bluemix" award for the project "Event Tracker" in the HackNC 2015 hackathon conducted at University of North Carolina, Chapel Hill.
- Successfully completed the program requirements and certified with,
  - IBM Blue Scholar
  - Associate Developer Rational Application Developer (RAD) for WebSphere Software V6.0
  - Academic Associate DB2 9 Database and Application Fundamentals
  - IBM System z and zOS Fundamentals Technical professional
- Received Star of the Month award in TATA Consultancy Services (TCS) for working in a critical project.
- Received Star Performer-2014 card for getting the highest band 'A' during the year end appraisal process in TCS.
- Received Certificate of Appreciation for my contribution in Insight 2013, a TCS academic initiative programme where I had taken C++ class for high school students in R.M.K Residential School.
- Received Certificate of Appreciation for successfully conducting the Debugging event as an Executive Committee member of the CYBERNAUTIX 2K9, 2K11-National Level Technical Symposium.