SARANATH GOVINDARAJU

(252)458-6292 | saranath.govindaraju@utdallas.edu | http://saranath-raju.github.io | http://www.linkedin.com/in/saranathraju

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EDUCATION:

Masters of Science in Computer Science. GPA: 3.667/4 **May 2015**

The University of Texas at Dallas, Richardson, TX, USA.

Coursework: Advanced Requirements Engineering, Advanced Computer Networks, Advanced Operating Systems, Database Design, Design and Analysis of Algorithms, Compiler Construction, Advanced Web Software, Information Retrieval.

Bachelor of Engineering in Computer Science and Engineering. GPA: 7.77/10 **May 2013**

Anna University, Chennai, India.

Coursework: Data Structures, Object Oriented Analysis and Design, Artificial Intelligence, Software Engineering, Web Technology, Mobile and Pervasive Computing, Data Warehousing and Data Mining, Grid Computing.

SKILLS:

Languages: C, C++, Java, HTML, CSS, JavaScript, jQuery, PHP, Python, Perl, Objective C, UML, MySQL, SQLite.

Tools: Netbeans, Eclipse, Xcode, Visual Studio, SAP Design Studio, Android SDK, HeidiSQL, Git (Version Control).

Operating Systems: Windows XP/7/8, Linux, OS X.

WORK EXPERIENCE:

iOS and Javascript Intern, Visual BI Solutions Inc., USA. **June 2014 - Jan 2015**

- Customized an existing iOS application, SAP BusinessObjects Mobile, based on client's requirement. **[Objective C, XCode].**
- Developed custom chart components for SAP Design Studio. **[Agile, Eclipse, JavaScript, HTML5 and CSS, Git].**
- Performed peer review testing as a part of development.

iPhone/iPad Application Developer, Target Soft Systems, India. **March - August 2013**

- Designed an iOS application, In Case of Emergency (ICE) Lite, to aid victims suffering cardiac arrest to transmit their current location via GPS to any desired number by merely opening the application. **[SCRUM, Objective C, JSON, XCode, SQLite].**

PROJECTS:

Data Structure Made Easy – Developed an iOS application to visualize data structures like stack, queue for easier understanding. **[Objective C, XCode].**

Library Management System - Developed an Android application to perform check-in/check-out of books, creating and deleting memberships, and authenticating members of the library. **[Android SDK, Eclipse, Java, SQLite].**

Google File System – Implemented a highly fault tolerant file system on top of existing Linux File Architecture to process and store large number of data and provide high availability of information at all times. **[Eclipse, Java, Socket Programming].**

Total Ordered Multicast – Established multicast messaging service in a mesh topology which guarantees to deliver messages in total order using Skeen's algorithm. **[Eclipse, Java, Socket Programming]**.

Fault Tolerance Distributed System – Enforced fault tolerance in a distributed environment by utilizing Dynamic Voting Protocol in order to perform read and write operations without any conflict. Replica consistency is also achieved. **[Eclipse, Java, Socket Programming].**

Spatial Information Retrieval System – Built an information retrieval system that uses incremental index and relevance model to retrieve document based on spatial information. **[Eclipse, Java, Apache Lucene, Wordnet and JAWS API].**

Circulation of Tokens in Distributed System – Implemented a mechanism in which every process circulates a token through the system that visits every other processes and computes the sum of all tokens along the way. **[Eclipse, Java, Socket Programming].**

IP Mobility Support - Implemented a mobile IP protocol to provide solution for the problem of routing and tunneling packets to the mobile host. **[Netbeans IDE, Java].**

Crowd Analysis - Built an application to perform face detection, single person tracking and motion detection. **[C, OpenCV library, Microsoft Visual Studio].**

WORK AUTHORIZATION: F1 Visa **AVAILABITY:** May 2015 (Full Time)