

# HARSHA HASSAN SOMASHEKARA

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## Education

### University at Buffalo, The State University of New York

GPA: 3.86/4.0

Master of Science: Computer Science, Current

Anticipated Graduation: December 2014

**Courses Taken:** Programming Languages, Distributed Systems, Software Engineering, Algorithms, Mobile Computing, Data Intensive Computing, Machine Learning, Seminar on Cloud Computing.

### Visveswaraya Technological University, Bangalore, India

GPA: 3.5/4.0

Bachelor of Engineering

2010

## Languages and Technologies

**Web Development:** AngularJS, NodeJS, JavaScript, HTML5, CSS, JQuery, JSON, XML

**Programming Languages:** Java, J2EE, SAP ABAP, Python, C, C++

**Databases:** MongoDB, Redis, MySQL, SAP R/3, SAP HANA, SQLite

**Query Languages:** SQL, SQL Script, Pig Programming, HiveQL

**Mobile Development:** Android Application Development, Ionic Framework, Cordova, Arduino

**Tools and Frameworks:** Hazel Cast, Hadoop, HDFS, Map Reduce, SAP, Eclipse, WebStorm

**Testing Frameworks:** JUnit, Jasmine

**Others:** Object Oriented Concepts, Servlets, JSP, Jenkins, Agile, Git, HTTP, REST, Gradle

## Selected Projects

### 1. Rate My Apparel (Parse.com and Facebook APIs)

- Developed Android Application to share questions, images and thoughts.
- Used Facebook APIs for authentication and to fetch the friend-list.

### 2. Exploratory Data Analysis using R

- Analyzed sports data set and plotted visualizations including Geo-location mapping.

### 3. Big Data Content Retrieval, Storage and Analysis using Hadoop 2( Map-reduce Java)

- Used Twitter APIs to collect the tweets data and performed analysis on this data based on the information like number of followers, trending keywords
- Implemented word co-occurrence("Strips", "Pairs"), K-Means and Shortest path algorithm.

### 4. Student Utility App

- Developing a Web and Mobile App to maintain the student portfolio using MEAN stack.

## Work Experience

### Cengage Learning, Farmington Hills, MI, USA

#### 1. Lean Coffee Meeting Facilitator Application

- Developed a real time, collaborative web application to facilitate lean coffee meetings.
- Worked on both front end and back end functionalities using NodeJS and Express, Socket.io, MongoDB and Mongoose, AngularJS and JQuery, developer APIs and Web Services

### SAP LABS, Bangalore, India

#### 1. GS HANA (Development)

- Explored SAP HANA architecture, data modeling, SQL Scripting and Data Provisioning

#### 2. MENA (Development)

- Developed country specific financial accounting software including new transactions and screens to enter invoice, payment and its processing
- Developed work flows for approval of Invoice (Expenditure order)
- Developed Tax Calculation programs (Withholding Tax and Corporate Tax) and report programs
- Enhanced existing vendor master creation program to add tax card details

#### 3. Legal Reporting (Development & maintenance)

- Developed Report programs for the calculation of VAT, In-cash Payments, and Subsidies.
- Modified standard tax calculation procedures and added enhancements for reports of Spain (Modulo 340 and 347), Portugal Tax Reports (SAFT).

### Tricon Infotech Pvt. Ltd., Bangalore, India

#### 1. RQMS (Residential Quarter Management System)

- Developed Quarter Master Creation functionality
- Developed programs to upload legacy data using screen transaction