

## Sathvik Shivaprakash

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### OBJECTIVE

*Seeking a full-time position where I can apply my skills and contribute to the growth of the organization.*

### EDUCATION

The University of Texas at Arlington | DEC-2015  
Master of Science in Computer Science, GPA: 3.81/4.0

B N M Institute of Technology, Bangalore, India | JULY-2012  
Bachelor of Engineering in Computer Science, GPA ≈ 3.8/4.0

### SKILLS

Programming languages:	C#, Java, Python
Mobile technologies:	Android
Web technologies:	HTML5, CSS3, JavaScript, PHP, JSP, Servlets, jQuery, jQuery UI, Bootstrap, AJAX, REST services, Angular JS, Angular JS Material
Cloud Platforms:	Amazon Web Services(AWS) RDS, AWS Dynamo DB, Hadoop
Version Control:	Git, GitHub, BitBucket
Development tools:	Eclipse, Android Studio, Visual Studio
Operating Systems:	Windows 7/8/8.1, Ubuntu

### INDUSTRIAL EXPERIENCE

#### INSZoom.com, Inc. | Software Engineering Intern – June 2015 to August 2015

- Involved in Integrating Fusebill Services, which brought about Automation of billing process.
- Worked on adding enhancements to the existing web application.
- Also involved in implementing NCache which brought about performance improvements to the entire application.

### ACADEMIC PROJECTS

#### LetsQuiz:

- An android application that lets a person conduct quiz to the connected clients.
- This involves multithreaded socket programming for server-client interaction.

#### WeMeet: (git)

- A Meeting scheduler android application.
- This application selects a feasible meeting point based on geographical location of the group members.
- Suggests meeting places using Google Places API and Yelp API.

#### Wireless Audio Streamer: (git)

- Android application which can be used as computer based wireless extension or wireless headphone.
- Android device acts as client and the windows application on the computer acts as server.
- Windows application was developed in C# using NAudio libraries.

#### Ukonnekt – Android Application: (git)

- An Android Application that was developed to make communication between professor and student better and faster.
- Professor is able to post assignments, announcements and grades.
- Syllabus meter is one of the unique features of the application. The application is designed using latest android user interface elements.

**Movie web application:**

- A movie web application that makes use of RESTful web services of TMDb displays the search results and description of the movie.
- This involved parsing JSON data returned from the web service using JavaScript.

**Web Mash up of Google maps and yelp web services:**

- Displaying the best restaurants on the map area, the results are from yelp, the address is geocoded to get the latitude and longitude of the restaurant and displayed on map.
- This involved JSON Parsing using JavaScript.

**Shopping cart using PHP:**

- Retrieving and displaying the search results in XML from the eBay Commerce Network API and allowing users to add and remove items from the shopping cart. Using PHP.

**Map Reduce - Hadoop: (git)**

- Using dataset from NHTSA which contains recalls of vehicles in US over the last few decades
- Computed the number of recalls per manufacturer, number of recalls per manufacturer per year and identified the reason for recall each model.

**Performance analysis of different database models:**

- Measured time for inserting data in a CSV file which contains 250,000 tuples and performing 50,000 random queries on it with RDS (Sql), DynamoDB (NoSql) and MemCache.

**Memory de-duplication in Linux Kernel: (git)**

- Simulated memory de-duplication operation in Linux kernel.
- The project was implemented in java and involved Red-Black trees (Insertion, Deletion and updating algorithms).

**Population Survey web application:**

- A simple web application related to health care where survey taker is allowed to enter new survey and view aggregated information of specific location.
- Developed using JSP, Servlets, and Bootstrap. Deployed on cloud (Amazon AWS) elastic bean stalk.

**Data Integrity of Cloud Storage:**

- A metadata file was appended to the files that are being added to the cloud.
- While retrieving the file, the metadata with the file is compared with the metadata stored on the local computer that was created while uploading to the file.

**OTHER ACTIVITIES****Event Photographer:**

- Photographed the events organized by Rashtriya Swayamsevak Sangh (RSS) which involved educating children who belong to backward classes.
- Photographs were published in social networking sites and local news papers to spread the news

**Photography club:**

- I was an Active member of B.N.M Photography club during my undergraduate studies.
- I also gave presentations on basic photography techniques for passionate students and assisted them during photo walks.