SATHVIK SHIVAPRAKASH
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Objective: Seeking an internship position where I can apply my skills and contribute to the growth of the organization.

Academic Qualifications:

Course	Institution/University	Year of passing	Percentage
Bachelor of Engineering	BNM Institute of technology	2012	70% (~ 3.8 GPA)
Master of Science	University of Texas at Arlington	December 2015 (Expected)	3.8 (GPA)

Skills:

Programming languages:	C#, Java, Python
Framework:	Android Development
Development tools:	Eclipse, Visual Studio 10, Android Development SDK
Version Control	Git, GitHub, BitBucket
Operating Systems:	Windows 7/8/8.1, Ubuntu
Cloud Platforms:	Amazon Web Services(AWS) RDS, AWS Dynamo DB, Hadoop
Web technologies	HTML5, CSS3, JavaScript, PHP, JSP, Servlets, jQuery, jQuery UI, Bootstrap, AJAX, REST based services

Academic Projects:

Graduate:

- Ukonnekt – Android Application (Spring 2014): 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. (https://github.com/sathvik1709/Ukonnekt)
- Wireless Audio Streamer (Spring 2014): 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. (https://github.com/sathvik1709/WirelessAudioStreamer)
- LetsQuiz (Fall 2014): An android application that lets a person conduct quiz to the connected clients. This involves multithreaded socket programming for server-client interaction.
- WeMeet (Spring 2015 – On going project): A Meeting scheduler android app. 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.
- Population Survey web application (Fall 2014): 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) elasticbean stalk.
- 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 returned 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 to and from the shopping cart. Using PHP sessions.
- Memory de-duplication in Linux Kernel (Spring 2014): Simulated memory de-duplication operation in Linux kernel. The project was implemented in java and involved Red-Black trees (Insertion, Deletion and updating algorithms).
  (https://github.com/sathvik1709/SharedMemoryDeDuplication)
- Simple chat website on cloud (Summer 2014): A chat web site completely deployed on cloud (Amazon web services). Using AWS EC2, NoSql database (MongoDB), HTML, PHP and JavaScript.
  (https://github.com/sathvik1709/SimpleChatWebsite)
- Clustering and Visualization (Summer 2014): Clustering weather data using K-means clustering with weka java library. Visualizing the clustered data using D3.js. Both clustering and visualization were done on Amazon Web Services EC2.
- Performance analysis of different database models (Summer 2014): 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 MemCached.
- Map Reduce - Hadoop (Summer 2014): Using dataset from NHTSA which contains recalls of vehicles in US over the last few decades and computed the number of recalls per manufacturer, number of recalls pre manufacturer per year and identified the reason for recall each model.
  (https://github.com/sathvik1709/mapreduce)

Under Graduate:

- 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 of activities organized by RSS and bring more people to support the events.

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 which were practical hands on experience for students to learn the basic techniques of photography.

Literature review and research paper on comparison between grid and cloud computing: Written a Literature review and research paper on comparison between Grid and Cloud computing as a part of Graduate level English writing program. I made use of 18 Academic journals as sources and compared grid and cloud computing in terms of similarities, differences, architecture and applications in the Literature review part. In the research paper, I have written about the effects of cloud computing since its emergence into the computing world.