Harsha Vardhan Reddy Nooka

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EDUCATION

Master of Science, Computer Science/Engineering   **April 2016**
University of Florida, Gainesville, FL   GPA: 3.60/4.00
Bachelor of Technology, Electronics and Communication Engineering   **May 2014**
Vellore Institute of Technology (VIT), Vellore, India   GPA: 8.42/10.00

SKILLS

Technologies	**:** Javascript, HTML5, CSS3, Angular JS ,Java, React.js, Python,Shell
Software Tools	: Xcode, Android Studio, MATLAB, Xilinx, Simplescalar, Webstorm, GIT
Operating System	: Windows, Android, Linux, iOS
Other Skills	: REST, Android Application Development, UI Automation, MS Office Suite

WORK EXPERIENCE

Sparks Grove Solutions, Front-end Developer, Georgia, USA   **August 2016 – Current**
- Developing a property professionals portal for the representatives of Comcast using React.js on the front-end along with HTML5,CSS3 and Bootstrap.
- Involved in Front-end UI development of a Single Page Application both online and offline using Angular JS for the retirement benefit services demo for Wells fargo.
- Developed a cache buster so that the user can get the latest changes before they use the application offline and without manually clearing the cache.
- Used Javascript, HTML5, CSS3, Bootstrap, Angular JS for designing web pages

Web Developer, Freelancer, UpWork   **May 2016 – Current**
- Developing a Single page application for a Matrimonial Company based in India using JavaScript, Angular JS, Angular Materials, Bootstrap3, HTML5 and CSS3
- Designed and Developed a Single Page Application using Angular JS for a Non Profitable Organization, The Leadership Academy, Camden,NJ

BlackBerry Ltd., Software Development Intern, Sunrise, USA   **August 2015 – December 2015**
- Optimized the runtime for the android stability test suite by 10% by automating the setup steps on the device using Robot framework
- Automated the environment setup on Linux machines for android testing by writing shell scripts

ACADEMIC PROJECTS

Performance Comparisons of virtual machines   **March 2015 – May 2015**
- Comparison of hypervisors such as kvm, Xen and Linux Containers by observing metrics such as Network activity, file system I/O, CPU and Memory
- More emphasis on kvm, which is built on a Cloudlab server and used benchmarks such as IOZone, ramspeed, Netperf, Bonnie++, NGINX and Filebench to observe the performance on various workloads

A Balanced and Secure Fuse File System   **November 2014 – December 2014**
- Implemented the load balancing on the servers and security of the files using AES for Fuse File system
- Robust against severe attacks on files in the server, improper file storage on multiple servers

Modification of LRU replacement policy for enhancing Cache replacement   **November 2014 – December 2014**
- Hacked into Simple Scalar source code and added a new Cache Replacement policy that considers the temporal locality of the Cache Blocks
- Achieved a better miss rate of 1.5 times than the existing cache replacement policies

A Fatigue Detection System using MATLAB   **October 2014 – December 2014**
- Face detection is done using Viola Jones algorithm, Bouding Box algorithm and skin color segmentation
- Detected eyes from the face using Cascade Object Detector system in MATLAB, and eye state detection