

# 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

Coursework: Operating Systems, Data Structures and Algorithms, Virtual Computing, Principles of Computer System Design, Advanced System Programming, Wireless Networks, Image Processing, Reconfigurable Computing, Computer Architecture, Wireless Communications

### **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, C, 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, Gerogia, USA**

**August 2016 – Current**

- Involved in Front-end UI design and routing to build a Single Page Application on Angular JS for various clients such as Wells Fargo, Comcast.
- Used Javascript, HTML5, CSS3, Bootstrap, Angular JS for designing web pages.

### **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
- Created device keywords for handling unexpected popups during testing
- Automated the environment setup on Linux machines for android testing by writing shell scripts

### **Web Developer, The Leadership Academy, Camden, NJ**

**June 2016 – July 2016**

- Involved in Front-end UI design and routing to build a Single Page Application on Angular JS for a Non Profitable Organisation.
- Used Javascript, HTML5, CSS3, Bootstrap, Angular JS for designing web pages.

## 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