**Vijaya Venkata Nischal Samji**

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**EDUCATION**

***Master of Science, Computer Science, December 2016***

College: Arizona State University, Tempe, Arizona GPA 3.4 / 4.0

***Bachelor of Technology, Computer Science, May 2011***

College: JNTU Hyderabad, India GPA 3.65 / 4.0

**COURSEWORK**

Adv. Computer N/W Security Data mining and Visualization Secure Software Development

Applied Cryptography Distributed and Parallel Databases Software Design

**WORK EXPERIENCE**

***Software Engineer - Sages Networks (February 2017 –)***

* Working as an automation Engineer for Equifax, Atlanta
* Developed Web Application using Python, Django and jQuery that automates the provisioning of file systems on NetApp storage arrays

reducing the time for provisioning from 30 mins to 5 mins with increased accuracy and consistency.

* Developed real time dashboards using d3.js for tracking and analyzing performance metrics for storage arrays and tools.
* Part of the team that developed Web Application using Python, Django and jQuery to automate the provisioning of oracle

Databases using Oracle EMCLI.

* Developed a visualization tool using d3.js, Python and Django to visualize statistics for backup replication across data centers helping in

accurate and proactive troubleshooting.

* Developed Jenkins pipelines to deploy Django Web Applications.
* Automation efforts using above tools helped the errors at organization level by 40%.

***Software Developer, ASU Digital Innovation Group (August 2015 – December 2016)***

* Part of the team that is actively developing Quadriga [(https://github.com/diging/quadriga](https://github.com/diging/quadriga)) for Text Analysis used in Academic Research using

Java 8, Spring MVC 3.0 , Spring Boot and MySQL.

* Increased the test coverage of various modules using Junit and Mockito.
* Collaborated with a team of three, formulated stored procedures, designed the frontend using HTML, jQuery and Bootstrap
* Implemented new features in the web application, extended existing functionality.
* Increased the load time of pages by 40% by optimizing code in the middleware and database.

***Data Science Intern, SAP, Scottsdale, Arizona (June 2016 - August 2016)***

* Developed Web Applications for Dynamic Data Visualizations
* Automated data fetching and cleaning by developing python and sql scripts
* Technologies used include d3js, javascript and SAPUI5

***Systems Engineer, Tata Consultancy Services, Hyderabad, India (December 2011 - September 2014)***

* Was part of a 20 member team that developed an online application for managing Supply Chain for Ericsson AB, Sweden.
* Developed and deployed a batch job scheduler and processor using C# 4.0 and ASP. NET frameworks.
* Increased test coverage in the application from 50% to 75%.
* Decreased customer tickets by 30%, by proactive bug fixing and active monitoring of the web application.
* Developed and documented time estimates for new features.
* Received appreciation from the customer for high CSI factor.

**ACADEMIC PROJECTS**

***Visual Recommender System for Books using d3.js, Python and MySQL*****(May 2015)**

* Developed a Visual Tool for Book Recommendations by analyzing User Reviews.
* Performed Sentiment Analysis using Naïve Bayes and TF-Idf on a huge dataset of content reviews.
* Presented the research findings and various parameters that contribute to the success of a book.

***Secure Banking System using Java, Spring MVC and MySQL (October 2015)***

* Developed a Highly secure Banking System Software using Java, Spring MVC, Spring Security and MySQL.
* Removed the most frequent OWASP Top-10 bugs from the application by manual and automated checking for XSS, CSRF, XXE, SQLi vulnerabilities.
* Implemented the database procedures and developed middleware to handle customer requests.
* Was responsible for developing the User Authentication and Password Management modules.
* Implemented security features like One-Time Password and PKI in the web application.

***Geo Spatial Operations Using Apache Spark using Hadoop and Apache Spark (October 2015)***

* Installed and Configured Apache Spark Cluster in Amazon Web Services
* Extended the use of Apache Spark in performing Geo Spatial Operations
* Developed a Visual tool for analyzing the results using d3.js and HTML.
* Improved the load time of the application from 7 seconds to 3 seconds by optimizing the code.

**SKILLS AND INTERESTS**

**Core Competencies:** Spring MVC**,** Java, J2EE, Python, Node.js, C#, .NET, Django, Apache Spark, MySQL, Spring Boot

**Web Technologies:** D3.js, JSP, HTML, JavaScript, jQuery

**Tools:** Jira, git, Jenkins, Apache Tomcat