SHUBHAM BHAWSINKA

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EDUCATION:

North Carolina State University, Raleigh, NC **Graduation: May 2016**
Master of Computer Science GPA: 3.67

University of Pune, India **Graduation: May 2012**
Bachelor of Engineering (Information Technology) GPA: 3.84(Distinction)

PROFESSIONAL EXPERIENCE:

Redhat Inc., *Software Engineering Intern* **May 2015 - Present**

- Worked as an open source software community member in satellite team's pulp project.
- Pro-actively engaged in cross team functionalities to achieve higher productivity.

NCSU Libraries, *Student Programmer* **Oct 2014 – May 2015**

- Collaborated with the IT team to develop an application backend for reviewing media contents in the library.
- Implemented a web based application and user access groups using Django web framework.

Infosys Labs, *Systems Engineer* **Sep 2012- June 2014**

- Conducted technology landscape analysis on various products in the R&D labs.
- Researched with data mining techniques to find the white spaces in technology.

TECHNICAL SKILLS:

- Languages: Java, Python, Go, JavaScript, Ruby, C++, R, SQL
- Databases: Postgresql, MySQL, MongoDB, Oracle DB
- Tools: Git, Vagrant, Docker, Ansible, Pycharm, LaTex, Jenkins
- Technology: Django, NodeJS, AngularJS, ExpressJS, Storm, Spark, Redis, ElasticSearch, Hadoop, Hive, Pig, HTML5

PROJECTS:

High Availability of Celery server in Pulp OSS Project:

- Accomplished high availability of celery server by designing a locking algorithm using python and mongodb.
- Contributed in writing Vagrantfile for developers set up of pulp container and pulp Docker plugins.
- Increased the productivity using test driven development and agile methodologies.

Implementation and comparison of 'Docker on CoreOS' vs 'VMs on KVM':

- Implemented Container as a Service using Docker on CoreOS platform.
- Achieved high availability CoreOS cluster using 'fleet' and 'etcd' and compared the performance with VMs.

***Twitter Sentiment Analysis Using NodeJS and Apache Spark*:**

- Designed and developed a sentiment analyzer for Love and Hate tweets using ntwitter and Kafka.
- Implemented a distributed application using ExpressJS to visualize the stream data and interpret results.

Octorator: Movie Rating Predictor:

- Implemented a prediction tool for rating movies using text analysis of user comments using Java and Storm.
- Achieved accuracy of 82% using TFIDF technique on Rotten Tomatoes database using ElasticSearch & Storm.

***WolfGrader-Student Grading System*:**

- Led a team to develop a course assessment application backend using Java servlets and MySQL.
- Implemented a unique questionnaire based chat forum in the application using NodeJS.

Ashwini- My Health Bits:

- Developed web and mobile application for collecting personal health data using Django web framework.
- Delivered the product before the expected timeline following agile techniques.

COURSEWORK:

- Design and Analysis of Algorithms, Advanced Algorithm, Automated learning & Data Analysis, Software Security, Automated Software Engineering, Foundations of Data Science, Algorithms for Data Driven Business Intelligence