SHUBHAM BHAWSINKA

1619-5 Crest Road • Raleigh, NC 27606 • +1919-579-1880 • sbhawsi@ncsu.edu • www.bhawsinka.com

EDUCATION:

Master of Science (Computer Science)   **Graduation: Dec 2015**
North Carolina State University   GPA: 3.67

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

TECHNICAL SKILLS:

Languages: Java, Python, JavaScript , C++, R, SQL, HTML
Databases: Postgresql, MySQL, MongoDB, Redis, Oracle DB
Tools: Git, Weka, PyCharm, BlackDuck, LaTex, NetBeans, Jenkins
Technology: Django, NodeJS, Docker, ExpressJS, Storm, Celery, Android, Bootstrap

WORK EXPERIENCE:

Redhat Inc., *Software Engineering Intern*   **May 2015 - Present**
- Worked as an open source software community member in Satellite team's pulp project.
- Responsible for making a live python project highly available to clients and hence, more reliable.

NCSU Libraries, *Student Programmer*   **Oct 2014 – May 2015**
- Worked with IT Team to develop application backend for Review System to help review media contents.
- Responsible for implementing Django related web module using Python and user access group module.

Infosys Limited, *Systems Engineer*   **Sep 2012- June 2014**
- Worked with R&D team to identify and conduct technology landscape analysis on various products.
- Applied data mining techniques to find the white spaces in technology and trend analysis.

PROJECTS:

Making Celery Server Highly Available in Pulp OSS Project:
- Designed and implemented an algorithm to make Celery server 'highly available'. Solved the Celery's scalability issue by contributing the code to Celery open source community.
- Implemented new features in the web services module using Docker development environment.
- Developed TDD model using mock unit testing framework and wrote 100% test coverage for the module.

Predict Click-Through Rates on display ad:
- Implemented and analyzed the probabilistic model of a click by the user for a particular ad.
- Implementation included analysis of split data and results using Logistic Regression(SGD Regression) and Random Forest algorithms using Python(SciKit learn) and Weka.

Twitter Sentiment Analysis Using NodeJS:
- Designed and developed a sentiment analyzer for Love and Hate Tweets using ntwitter and NodeJS.
- Implemented a web based application using ExpressJS to visualize the stream data and interpret results.

Octorator: Movie Rating Prediction System:
- Designed and implemented a prediction tool for movie rating using text analysis of user comments.
- Achieved an accuracy of 78% using TFIDF algorithm on rotten tomatoes database. Increased efficiency by using ElasticSearch to improve word search and Apache storm for streaming the user comments.

WolfGrader-Student Grading System:
- Developed a course assessment application backend using Java Servlets and MySQL.
- Collaborated with team to come up with unique questionnaire based forum in the application.

ELM-Web Application for Reviewing Media Files:
- Developed a back end review system for media contents using Django Web Framework, Postgresql and Python.
- Contributed to the team by building a contest review application on top of existing system which reused almost 80% of the development code.