

SHUBHAM BHAWSINKA

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EDUCATION:

Master of Science (Computer Science)

North Carolina State University

Graduation: May 2016

GPA: 3.67

Bachelor of Engineering (Information Technology)

University of Pune

Graduated: May 2012

GPA: 3.84(Distinction)

TECHNICAL SKILLS:

Languages: Java, Python, JavaScript, C++, R, SQL, HTML
Databases: Postgresql, MySQL, MongoDB, Redis, Oracle DB
Tools: Git, Vagrant, Docker, Ansible, Weka, PyCharm, LaTeX, Jenkins
Technology: Django, NodeJS, 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'.
- Developed and contributed several new features to the open source community upstream.
- 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.