RAKSHITH S. BHYRAVABHOTLA

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EDUCATION

Indiana University, Bloomington *May 2017*
M.S. in Computer Science
CGPA : *3.53*

WORK EXPERIENCE

Cerner Corporation *June 2017 - Present*
Software Engineer (Python, Django, Django-rest, unittest, HTML) *Kansas City, MO*

- Implemented RESTful APIs for Ecosystem website that runs powershell scripts and generates reports on various servers.
- Enhanced the website as a part of agile methodolgy for continuous integration.

Cognitive Science Department, Indiana University *May 2016 - May 2017*
Python Programmer (Python, Pyramid, SQLAlchemy) *Bloomington, IN*

- Developed the Cognitive Science publication database website used by faculty members to modify publications and citations.
- Implemented RESTful APIs to represent collaborations between the faculty, students, and alumni of Indiana University.

School of Informatics & Computing, Indiana University *August 2016 - December 2016*
Associate Instructor (Python) *Bloomington, IN*

- Teaching Assistant for Information Infrastructures - I , an introductory Python Programming Course.

Cognizant Technology Solutions *Sept 2013 - May 2015*
Programmer Analyst (Core Java, JSF) *India*

- Developed and maintained a website for Xerox Business Services in the health-care domain with a total team size of 45.
- Won SPOTLIGHT award for remarkable contribution in the project.

PROJECTS

Analysis of Stackoveflow Data *(Python, Flask, PostgreSQL)* *January 2017 - May 2017*

- Analyzed Stackoverflow metadata providing insights on posts, users, skills and locations.
- Hosted the data constituting 34 million posts, 8 million users on PostgreSQL.
- Provided visualizations using Google Charts and D3.js on a web app.
- Implemented Apriori Algorithm to find out skill sets that go well together and most commonly associated.

Maps for USA *(Python)* *August 2016*

- Implemented a prototype of Google Maps that gives shortest route in terms of distance, fastest route, route with fewest turns and scenic route that avoids highways given source and destination.
- Used DFS, BFS, A* search and Iterative Depth first Search algorithms.

Customer Loyality Classification *(Python, scikit-learn)* *May 2016 - July 2016*

- Data Mining Competition held by RANG Technologies. Finished in top 5%.
- The project involved predicting if a customer is loyal or not given some unknown behavioral parameters.

Music Genre Classification *(R, carat)* *March 2016 - May 2016*

- Achieved an accuracy of 76% in classifying genres of music using various spectral and temporal features.

Search Engine for Yelp Data Set *(Java, Lucene)* *August 2016 - December 2016*

- Predict Categories of a business in Yelp Data Set using only the review text information using Information Retrieval approach.
- Implemented Page rank algorithm and used Lucene API for indexing.

Song Recognition Tool *(R)* *October 2015 - December 2015*

- Developed a tool for song recognition which listens to a song (or part of a song) and recognizes what song is playing.

TECHNICAL SKILLS

Programming Languages	Python, Java, Ruby
Web Development	HTML5, SQLAlchemy, Django, Django-rest, Flask, Rails
Databases	MySQL, Oracle, MongoDb
Miscellaneous	Unix, Git, vim, SonarQube, JIRA, JUnit, unittest, Tableau