SAIRAM RAKSHITH 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 (ReactJS, Ruby on Rails) *Kansas City, MO*

· Implemented open source, configurable react components to help build scalable and modular application UIs.
· Uplifted testing in the open source project terra to consume webdriver and jest tests.
· Developed iOS applications by implementing micro-services engines on Ruby on Rails.
· Used React on Rails components and terra components in the app development using agile methodolgy and 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.
· Created RESTful API endpoints to represent collaborations between the faculty, students, and alumni of Indiana University.

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	ReactJS, ES6, CSS, HTML5, SQLAlchemy, Django, Rails
Databases	MySQL, Oracle
Miscellaneous	Unix, Git, Github, Vim, Crucible, Jest, Webdriver, JIRA, Jenkins, Unittest, Tableau