

RAKSHITH S. BHYRAVABHOTLA

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EDUCATION

Indiana University, Bloomington

M.S. in Computer Science

May 2017

CGPA : 3.53

WORK EXPERIENCE

Cerner Corporation

Software Engineer (Python, Django, Django-rest, unittest, HTML)

June 2017 - Present

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 methodology for continuous integration.

Cognitive Science Department, Indiana University

Python Programmer (Python, Pyramid, SQLAlchemy)

May 2016 - May 2017

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

Associate Instructor (Python)

August 2016 - December 2016

Bloomington, IN

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

Cognizant Technology Solutions

Programmer Analyst (Core Java, JSF)

Sept 2013 - May 2015

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.

DATA SCIENCE PROJECTS

Customer Loyalty 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.
- Used an ensemble of SVMs, Random Forests, Neural Nets and xgBoost

Coupon Purchase Prediction (R, xgBoost)

February 2016 - April 2016

- A Kaggle Project for building a recommendation system for extremely sparse data i.e 99.7% using xgBoost Algorithm.

Yelp Data Set Rating Prediction (Python, Pandas, scikit-learn)

September 2016 - November 2016

- Predicted ratings for a business based on the reviews given by users.
- Used Sentiment Analysis & Text Mining Techniques on a Data of size 2.7 million.

Analysis of Stackoverflow 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.

Spam Classification (Python)

October 2016 - November 2016

- Classified Spam emails using Naive Bayes and Decision Trees with 98% accuracy.
- Implemented the decision trees without any external libraries.

TECHNICAL SKILLS

Programming Languages

Python, Java, Ruby

Data Science tools

Pandas, Numpy, scikit-learn

Databases

MySQL, Oracle

Miscellaneous

Unix/ Linux , Git, vim, JIRA, unittest