Jeevan Reddy Rachepalli

+1-812-369-1273 | jeevan.nitw123@gmail.com
LinkedIn: https://www.linkedin.com/in/jeereddy
GitHub: https://github.com/g14uok

PROFESSIONAL SUMMARY

- Proficient in applying Data Science and statistical techniques on Relational Database, English text and image files
- 2 + years' hands-on industry work experience in Machine Learning and data visualization.
- Extensive training in Statistical tools and techniques, machine learning and Artificial intelligence.
- 3 + years' experience in managing, collaborating and consulting with colleagues and clients.

EDUCATION

Indiana University, School of Informatics Computing and Engineering — Bloomington, Indiana
Master of Science in Data Science — May 2019

National Institute of Technology — Warangal, India
Bachelor of Technology in Electrical and Electronics Engineering — May 2014

PROFESSIONAL EXPERIENCE

Ordr Inc — Ann Arbor, Michigan
Software Engineer Intern — May 2018 – August 2018

- Designed a Chatbot using Natural Language Understanding for placing the food orders of customers without any manual intervention. Built a Python library on my own and successfully deployed it on Google Cloud with NoSQL database to store different types of orders. Used Twilio API for sending and receiving text messages.
- Developed a Python Library (around 15 modules) from scratch to automate the process of food ordering

Reliance Corporate IT Park Limited — Jamnagar, India
Software Engineer — July 2014 – October 2016

- Developed an operational database for storing huge amounts of data with various attributes related to the purchased machinery for the J3 project of about 200,000 items in MS SQLServer.

TECHNICAL SKILLS

Courses:	Statistics, Exploratory Data Analysis, Data Mining, Applied Algorithms, Computer Vision, Social Media Mining, Database Design, SQL and NoSQL, Cloud Computing
Python Libraries used:	Numpy, Pandas, Scikit Learn, Natural Language Toolkit, Seaborn, Statsmodels, Keras, TensorFlow, Heapq, Codecs, Regular Expressions, Os, NetworkX.
R Libraries used:	CaTools, Dpylr, E1071, ElemStatLearn, H2o, Mass, Metrics, Olsrr, RandomForest, XGboost, Rpart, Stats, Arules, Tm, SnowballC.
Tools:	Advanced Excel, Microsoft project, Matlab, NoSQL, Google Cloud, SAP, MS SQLServer, MongoDB, Tableau, Oxygen XML

ACADEMIC PROJECTS

Facebook ads cost per click prediction using Regression technique — November 2017

- Extracted the most important attributes that constitute to the cost per click of Facebook ad using the Backward elimination and predicted the cost per click by using Multiple Regression techniques with a mean square error of $6.4
- Gave insights to the High Alpha company in selecting the attributes for placing the Facebook ad with optimized cost per click by using the dataset provided by them.

Game Analytics April 2018

- Conducted an exhaustive study on Pocket Gems gaming data set. Classified game users into Rookie, Normal_Gamer and Pro_Gamer based on their gaming behavior and Long-Term Customer value. Given insights to marketing team for channelized marketing.
  https://github.com/g14uok/Miscellaneous

Analyzing Breast Cancer using Exploratory Data Analysis April 2018

- Implemented the dimensionality reduction technique on clinical data and filtered out the 4 most important attributes that constitute to Breast Cancer in Women thereby giving the laboratory technicians to concentrate more on these 4 attributes which causes Malignant Cancer.
  https://github.com/g14uok/Data_Visualization/tree/master/Breast_Cancer_Analysis

Bitcoin Price Fluctuation prediction using Twitter Sentiment Analysis April 2018

- Classified the polarity of 2.5 million tweets on Bitcoin based on the sentiment of a tweet and emojis using AFFIN, TEXTBLOB and VADER classifiers and predicted the Bitcoin price fluctuation.
  https://github.com/g14uok/Twitter_Sentiment_Analysis

Author identification using Natural Language processing November 2017

- Cleaned the Kaggle competition dataset using NLTK and RE package(Python) and implemented a modified Naïve Bayes classifier to predict the author using Bag of words model.
  https://github.com/g14uok/Data-Mining

Image Classification using Deep Neural Network November 2017

- Implemented a 4 layered Dense Neural network using TensorFlow and Keras(Python) on the Kaggle competition dataset and classified the images with an accuracy of 86%.
  https://github.com/g14uok/Data-Mining

Drivability: Path prediction and obstacle avoidance April 2018

- Used OpenCV Python library extensively for segmenting the image into different objects and finding out the best path for a car to take. Used Microsoft Kinect to analyze the depth in each image to further decide the safe suggested path

Association rules on grocery store market basket items May 2018

- Designed an Apriori algorithm association rules for reshuffling the different items that are to be placed in a grocery store by using the previous transactions of customers.
- Improved the customers' convenience in purchasing the things and thereby business outfit.
  https://github.com/g14uok/Applied-Machine-Learning/blob/master/Apriori/Apriori%20using%20R.ipynb

LEADERSHIP

Data Science Consulting Club Bloomington, Indiana
Vice President August 2017 – May 2018

- Provide insights and opportunities for first-year Data Science students to work on real-life projects by contacting employers.