

SRIKRISHNA SRIDHAR

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EDUCATION

Indiana University Bloomington	MS- Data Science	GPA: 3.61/4	Aug 2017- May 2019
Anna University	BE- Electrical & Electronics	GPA: 8.0/10	Aug 2011- May 2015

TECHNICAL SKILLS

Languages: Python, R, SQL

Others: Agile, PySpark, Linux, MySQL, HDFS, Hadoop, Git, JIRA, Tableau, MicroStrategy, Jupyter Notebook

Libraries: Numpy, Pandas, Matplotlib, ggplot2, scipy, Scikit-learn, NLTK, OpenNLP, re, spaCy, MLLib, PyTorch, word2Vec

Machine Learning: Time series, neural networks, K-Means, regression, GBM, t-SNE, Random Forest, NLP, GLM, SVM

PROFESSIONAL EXPERIENCE

Senior Analyst – Data Science

Sep 2019 - Present

Infosys Limited (USA)

- Designed a chat bot using RASA NLU, Spacy and LSTM Neural Networks.
- The bot processes speech input from the user, converts it to text and retrieves the current temperature, weather and wind speed of a location through API call.

Data Scientist Intern

Jun 2018–Aug 2018

Domtar Personal Care (USA)

- Improved prediction accuracy by 12% using new features created with holidays, outages and transition between different grades of pulp and paper.
- Reduced inventory costs by 10% using Time Series ARIMA and Linear regression to predict the daily, weekly, bi-weekly, monthly and annual production of pulp and paper.
- Reduced production costs of Pulp by 15% by developing a strategy to vary production of Pulp by month.
- Developed reports explaining production statistics and preferences to a non-technical audience.

Assistant System Engineer (Banking and Financial services)

May 2015-Dec 2015

TCS Ltd(India)

- Worked on settling of trades for a Fortune 32 company after successful purchase of stocks.

System Engineer/Analyst (Telecommunication)

Jan 2016-July 2017

TCS Ltd(India)

- Used logistic regression to identify possible payment defaulters for a Fortune 130 company.
- Created reports using Tableau to highlight the reasons for default in payments.
- Used KNN to group similar customers and understand their monthly usage statistics.

PROJECTS

Restaurant Annual Revenue Prediction in Python [Kaggle Top 5%](Team of 3)

- Predicted the revenue of 100,000 restaurants in over 50 cities using Gradient boosting, KNN, Linear regression.
- Gradient Boosting achieved a Root mean square error of 0.3, indicating very low errors in prediction.

Tweet – Location Predictor (32000 tweets) in Python [Highest accuracy among 200 students]

- Predicted the location from which the tweets were posted using a Naïve Bayes classifier.
- Achieved 72.5% accuracy by effectively handling stop words, special characters, and missing words.

Movie rating recommendation system using collaborative filtering in Python

- Designed algorithms based on gender and movie genre to predict the movie ratings for 10million users.
- Predicted the movie ratings of targets using top 50 similar users and achieved 80% accuracy.

Image Classification on Natural Images Data(Kaggle) using HDFS and Pyspark

- Classified 6899 images using Random forest, Logistic regression and Gradient boosting.
- Compared to python, run-time was reduced by 33.3 minutes and achieved 73% accuracy using Random forest.

Maps using Artificial Intelligence Search algorithms in Python

- Designed maps to output the total distance, time and the shortest path between any two cities in the USA.
- Built A*, Uniform, BFS, DFS and IDS search algorithms with distance and time measurements as cost functions.
- Uniform search algorithm returned the most optimal path between any two cities within 4 seconds.