SRIKRISHNA SRIDHAR

srikrishna.sridhar@outlook.com | (812) 955-8935 | Srikrishna-s | srsridh | https://srsridh.github.io

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: Spark, Linux, MySQL, MongoDB, Tableau, MicroStrategy, Hadoop, GitHub, MapReduce, NLP, Agile
Toolkits: NumPy, pandas, Matplotlib, NLTK, SciPy, scikit-learn, re, PyTorch, ggplot2, caret, dplyr, MLlib

PROFESSIONAL EXPERIENCE

Data Scientist Intern **Jun 2018–Aug 2018**
Domtar Personal Care

- 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.
- Identified trends in sales by analyzing the variation of pulp and paper production with holidays.
- Reduced production costs of Pulp by 15% by developing a strategy to vary production of Pulp by month.
- Designed business intuitive dashboards for prediction results to help sales team improve sales.
- Developed reports to explain trends in production of pulp and paper to a non-technical audience.

Software Engineer in Banking and Financial Services **May 2015–July 2017**
TCS Ltd

- Reduced running time of programs by 120 seconds using MIPS reduction on critical COBOL programs.
- Implemented FTP-SFTP using JCL to transfer feeds from Mainframe to UNIX environment automatically.
- Earned client appreciation by creating an application, to uproot manual monitoring by automatically notifying clients via e-mail, on the successful transfer of feeds from mainframe to Unix environment.

PROJECTS

Movie rating recommendation system using collaborative filtering in *Python* **Apr 2018**

- 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

Restaurant Annual Revenue Prediction in *Python* [Kaggle Top 5%](Team of 3) **Mar 2018–Apr 2018**

- 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

Maps using Artificial Intelligence Search algorithms in *Python* **Sep 2018**

- 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

Image Classification on Natural Images Data using *HDFS* and *Pyspark* **Dec 2018**

- Classified 6899 images using Random forest, Logistic regression and Gradient boosting
- The images belonged to different categories like Airplane, Car, Cat, Dog, Flower, Fruit, Motorbike and Person
- Compared to python, run-time was reduced by 33.3 minutes and achieved 73% accuracy using Random forest

Tweet – Location Predictor (32000 tweets) in *Python* [Highest accuracy among 200 students] **Dec 2018**

- 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

2016 US Presidential election analysis on Election Survey Data(64000 adults) in *R* **Mar 2018**

- Fitted Logistic regression models to understand the switching of votes of 2012 Obama supporters to 2016 Trump supporters based on immigration policies, gender, race, and education