RITESH SINGH SUHAG

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Data scientist focused on executing data-driven solutions. Experienced at creating predictive models and analyzing raw data to deliver insights and implement action-oriented solutions to complex business problems.

EDUCATION

Texas A&M University, Mays Business School — College Station, Texas/USA
MS in Management Information Systems — GPA - 4.0/4.0 — May 2021

Manipal Institute of Technology — Manipal, Karnataka/India
B. Tech in Electrical and Electronics — GPA - 3.51/4.0 — May 2018

EXPERIENCE

Dell Technologies — Round Rock, Texas
Data Science Intern — Jun 2020 – Jul 2020

- Facilitated creation of actionable business insights through advanced data exploration, querying, and visualization
- Applied Natural Language Processing (NLP), Latent Dirichlet Allocation, to 9 million vendor comments resulting in better understanding of customer interactions & need to formulate new guidelines to reduce operational costs

Texas A&M University — College Station, Texas
Research Assistant (Data Science) — Feb 2020 – Present

- Applied regression analysis to isolate and understand key relationships between flight prices and industry factors
- Created & implemented robust data pipeline in R to transform raw data from 300,000 web-scraped pages into analysis-ready data
- Modified data mining processes (using parallel processing and matrix operations), resulting in 60% decrease in time needed for feature engineering of different variables used for future analysis

Accenture Solutions Pvt. Ltd. — Mumbai, Maharashtra/India
Application Development Associate — Sept 2018 – May 2019

- Produced translation of quantitative analytics and findings into accessible visuals for non-technical audience using dashboard reports which helped increase target met from 67% to 99.5%
- Collaborated with teams across different regions to formulate the development of a new data management/analytical software to increase reporting ability and reduce operational cost
- Optimized and redesigned SQL queries resulting in 25% reduction in data and report turnaround time

PROJECTS

ABC Grocery Data

- Developed, designed, and deployed predictive/machine learning model based on advanced statistical analysis which helped target customers most likely to sign up for new promotional campaign
- Incorporated historical vendor data to predict the loyalty scores of future customers in-house with accuracy of 95% and understand factors on which customers decide to shop at our locations
- Consolidated sales data and created business intelligence dashboards based on stakeholder requirement

Stock Price Forecasting and News Sentiment Analysis

- Achieved an accuracy of 96% of stock forecasting by training machine learning model (Artificial Neural Network)
- Conceptualized and implemented sentimental analysis tool to rate news articles of companies that helped in better recognition of price variation trends and increase accuracy by 2.7%

DonorsChoose.org Application

- Delivered a classifier prediction model to anticipate number of days required to get complete funds for particular project with accuracy of 97% via k-NN algorithm (supervised learning)
- Evaluated different computations using map-reduce and proper structured aggregates to improve system response time and created materialized views for heavy, frequently used queries

PROGRAMMING SKILLS & PAPER PUBLICATIONS

Programming Languages: Python (NumPy, pandas, scikit-learn, matplotlib, tensorflow, keras, matplotlib), R, Shell Scripting, JAVA.
Databases: MS SQL Server, Oracle, MySQL, MongoDB, MariaDB, Postgres.
Tools: R-Studio, Jupyter Notebook, AWS, Github, Tableau, MS Excel, Power-BI, Shiny
Paper Publication: "Stock price forecasting and news sentiment analysis model using artificial neural network" under publication at "International Journal of Business Intelligence and Systems Engineering"