VENKAT PRERAN DAKSHINADI

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EDUCATION

Northeastern University, Boston, MA (GPA: 3.5) Sept 2019 – Sept 2021
Master's in Analytics

Srm University, Kattankulathur, India (GPA: 3.4) May 2013 – May 2017
Bachelor of Technology in Computer Science

EXPERIENCE

Data Analyst Intern at Salient Global Technologies, Dallas, Texas Aug 2020 – Dec 2020

- Implemented Thermographic Analysis with a team of 3 to enhance the Infrared Thermography to measure temperature of objects without touching with an accuracy of 85%-97% using Python: OpenCV.
- Designed Tableau dashboards with IoT data of local hospital to find the Biochemical features with a dataset of 350 patients, performed data analysis using KNN, improved the process efficiency by 76%
- Managed and collaborated with NetApp, cleaned, pre-processed data of >100K line items generated from the IoT sensors with cloud data storage of AWS Redshif and Azure to arrive at useful business insights.

Data Analyst at Neuronoids pvt lmt, Hyderabad, Telangana. May 2017 – April 2019

- Delivered Daily/weekly/monthly reports showing health of business by leveraging analytics and creating models, predicative forecasting, and statistical analysis of the company.
- Investigated a local grocery delivery company's dataset with 500k grocery orders to discover purchasing patterns, frequency of orders placed that allowed to predict supply and demand by hyper tuning parameters.
- Identified and rectified errors in slots by data modeling and analyzing more than 1.4M slots for invalid measurements, resulting in efficiency improvement using SAS and Stata
- Conceptualized R&D of ML algorithms and built CNN model with a team of 5 to develop Facial Recognition based attendance for a tea estate with >500 employees.
- Mentored a team of four to perform and create NLP based Chatbot with a capability of converting Text Speech, Speech-Text with LSTM for an insurance-based company for 1500 used cases.

PROJECTS

Starbucks Promotional Ad-Campaign Analysis: Python, Tableau Jan 2021- Feb 2021

- Built a predictive model with 70% accuracy that determines the best offers for Starbucks customers to maximize their conversion rate.
- Performed data cleaning and exploratory data analysis, feature engineering and applied bootstrapping.
- Applied k-means clustering to understand customer segments (RFM analysis) and calculated the probability of customer churn.
- Designed dashboards in Tableau to explore how user behavior and retention are affected by demographics.

Retail Data Warehouse: Talend, SSIS, Tableau, Power BI, Qlik Sense July 2020- Aug 2020

- Accomplished star schema dimensional data modelling for developing SQL Server data warehouse of 6 facts and 17 dimensions.
- Integrated data from multiple sources (CSV, Excel, Oracle, PostgreSQL, MySQL) to data warehouse with Talend and SSIS.
- Loaded 50M rows of data into the warehouse in 20minutes by utilizing optimization techniques, saving 40% time, and implemented Slowly Changing Dimensions, currency conversion and reject codes for error handling.
- Built interactive dashboards to analyze cost efficiency by comparing sales and inventory metrics on Tableau and Power BI.

Seattle Car Accident Severity Prediction: Python, Tableau March 2020- April 2020

- Utilized Python: PyCaret library to design automated ML pipeline to classify the severity of an accident.
- Performed Hyperparameter tuning to optimize the accuracy and loss in the training procedure, improving accuracy by 10%
- Incorporated Tableau to perform clustering analysis and visualize locations where the incidents took place.

SKILLS

Languages: Python (NumPy, Pandas, Sci-Kit, NLTK, TensorFlow, Keras, OpenCv, Matplotlip), R, SQL.
Specialties: Machine learning, Deep learning, NLP, Computer Vision, Hadoop (Hive, Pig), Spark, Power BI, Qlik. Tableau, AWS, Azure, Excel, Access, Talend, SSIS, SAS. Stata, Data Modelling, Database Management, Health care analytics, Sports Analytics, Business Analytics, Data Visualization.
Operating system: Windows, Linux (Ubuntu).
Certifications: AWS Solution Architect, Tableau desktop specialist, Azure Fundamentals.
Soft Skills: Excellent communication, Customer focused, Team player, Exceptional storyteller with data