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Charan Teja Reddy

Data Analyst

SUMMARY

Aspiring Data Scientist with a demonstrated ability to deliver valuable insights via Data Analytics, applied Machine Learning and Deep Learning Frameworks. Proficient in deploying complex machine learning and statistical modeling algorithms/techniques for identifying patterns and extracting valuable insights for key stakeholders and organizational leadership. Looking to apply my Skills and Certification on Data Science, machine learning and Deep Learning to manage statistical machine learning and data-related solutions at your organization.

KEY SKILLS

Tools : Jupyter Notebook, Amazon Web Service (AWS),Anaconda, Tableau(Basics)
Programming Language : Python, R Programming
Data Mining : Numpy, Pandas, Scipy
Statistical Models : Linear Regression, Logistic Regression, PCA, LDA, Feature Selection
Machine Learning : Decision trees, Ensemble Technique(Random Forest), KNN, Bagging & Boosting, SVM, Naïve Bayes, Web Scrapping(Scrapy), Gradient Boosting Machine, XGBoost
Deep Learning : CNN, RNN, LSTM, Tensorflow, Keras
NLP : Spacy, AWS Comprehend, AWS Transcribe

EDUCATION

- Computer Science and Engineering with 6.7 CGPA from NBKR Institute of Science and Technology (2012- 2016)
- Class XI and Class XII with 92% from sri chaithanya Junior College
- Class X with 89 CGPA from AP Residential school

PROFESSIONAL EXPERIENCE

Data Analyst

Responsibilities and Expertise

- 3 years 2 months of hands-on in Data Analytics, ETL and Machine Learning Development focusing on quality, process and timely delivery.
- Determining Customer requirement and designing proposed case along with scope and timelines
- Performing Exploratory Data Analysis and applying right Machine Learning technique
- Demonstrating the solution as a Business Designed case for the future Predictions
- Investigating the Revenue Leakage for the client from the provided data and taking the Various actions to curb the Revenue Leakage
- Extracting the data from the IBM Cognos Tool and forecasting the details and insights to the client
- Proposed solutions to improve system efficiencies and reduce total expenses

PROFESSIONAL PROJECTS

Project : Insurance Premium Prediction
Description: The Main aim of this use case is to Train and develop Regression model on Insurance Premium data and prediction of the insurance premium for the new customers.

- Cleaning and pre-processing the data. Getting the insights of the data from exploratory data analysis and Visualizations. Various Regression models are developed and after validation of the models picking out the best regression model which can predict the premiums.
- This helps the insurance company with the data of the customers asking the relevant customers to pay the different premiums.

Project : Probability prediction on Loan Defaulter

Description:: The Target of this project is to develop the classification model on the historical data of bank and predict whether the person is going to default Loan or not.

- Cleaning and pre-processing the data. Handling the Imbalanced data using the Sampling Technique or (SMOTE). Training Various Classification model and validating the model against the New Sample Deploying the best classification model.
- This provides the banking companies to disburse the loan or approve the loan on the basis of the Details of the customers.

Project: churn analysis - telecommunication industry

Description: The Target of this project is to build the classification model on the historical data of Telecommunication industry and predict which customer may leave the company.

- In this case both the machine learning and Deep learning model were Implemented . As we have to Set callbacks, Early stoppage for the best model rather than over-fitting the deep neural network and figuring Out which customer may Churn.
- This ease the telecommunication industry to find the customer who may Quit and providing them the best Services and plans for the particular customer to retain.

Project: Named Entity Recognition and Web Crawler

Description: The goal is to design and develop web crawler using python to crawl and scrape the data from a website(Using Scrapy) and Developed the model to read the required fields from a set of forms scrapped from the clients website using Scrapy and store them in JSON format as per business requirement.

Project : RPP : Regulatory Portfolio planning

Description: : The goal is to load the files from the AWS cloud to landing layer. On top that layer we created a parquet file which then will be load into the Dynamo DB prior to which all the transformation logic(AWS Glue) has been applied. Again we create a parquet file and then dump the data into Data mart. On top of that the ATHENA DB tables will be mapped.