Krishna Kishore

Data Scientist

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PROFILE

- Overall 2.3 Years of experience in technical expertise in Data Machine Learning/Artificial Intelligence with specialization in Deep Learning (CNN, RNN), Natural Language Processing and Data Engineering by contributing to growth of the organization.

Professional Highlights

Name of company: **GENPACT**

Current Position: Data Scientist

Experience in years: 2.3 years

Environment: Machine Learning, Deep Learning (Neural Networks), NLP.

Job Responsibilities as Data Scientist.

- Building an awesome machine learning model that takes in massive amounts of seemingly worthless data and produces insights worth their weight in gold.
- Using quantitative data to generate business insights in order to help company make more profits.
- Initial data investigation and exploratory data analysis.
- Handling unstructured data and reducing noise using EDA process.
- Dimensionality reduction (PCA) to render all that unstructured data into a usable format.
- Determining the correct data sets and variables.
- Cleaning and validating the data to ensure accuracy, completeness, and uniformity.
- Choose one or more potential models and algorithms.
- Devising and applying models and algorithms to mine the stores of big data
- Apply data science methods and techniques, such as machine learning, statistical modeling, and artificial intelligence.
- Measure and improve results.

- Presenting final results to stakeholders.
- Make adjustments based on feedback.
- Repeat the process to solve a new problem.

Skill Set

- ✓ Scripting Languages : Python, R,c
- ✓ Tools : Tableau
- ✓ Algorithms : Machine Learning, Deep Learning (Neural Networks).
- ✓ Database : MySQL.
- ✓ Packages : Tensor flow, Keras, NLTK, scikit learn, Numpy, Pandas, gensim.

Projects

1) *Heritage foods profit prediction for succeeding year.*

Team: 4 members

Model : Keras Regression

Duration : 1 year 2 months

- Heritage Foods Limited is one of the largest private sector dairy enterprises in southern India.
- Worked on a Heritage project to find out expected price amount that can be generated for next year based on various features which is highly correlated to each other and applied Keras Regression to build model and predict price.
- ***Process :*** Given tones of data to analyse which consist of many features mainly milk quantity, cheese, ghee quantity, butter, ice creams, curd and so on...
- Asked us to predict profit for next year by sending new data of same features.
- ***Preprocessing :*** Analysed complete data performed imputation, handling outliers, correlation, multi variate normality, handled imbalance data set
- To handle outliers I used boxplot and I found data is independent variables are highly uncorrelated by dependent variables so I used up sampling to solve, found there is no multi variate normality used log transforms for normal distribution.
- Handled imbalance data set using up sampling to find weather model is a good fit or not using R squared, and removed unwanted columns.

- ***Building model :*** Used deep learning technique Keras Regression to build model.

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2) Topic modelling for an application.

- ***Team*** **:** 5 members
- ***Model*** **:** Latent Dirichlet Allocation(LDA)
- ***Duration*** **:** On going
- ***Process:*** Tones of documental data has been provided and asked then to assign topic for every documents and topics names are Buyer, Seller Buyer and Seller Normal document with normal data
- ***Preprocessing***: Preprocessing of data is done by using NLP that involves steps word tokenization, lemmatization, bag of words and TF-IDF Vectorizer
- Working on above process to clean entire data and representing it into integers in matrix format.
- ***Building Model***: After preprocessing LDA is used for building model LDA does assign Topic for each document.
- ***LDA*** : LDA is a process used to build a model to assign topics for text data which is in the format of intigers
- This works based on probability where its final outcome is highly accurate.

Education:

- ✓ Graduated from SV university with 80% aggregate
- ✓ Board of Intermediate Education, Narayana Junior College with 82.3%.
- ✓ Board of Secondary Education, Vignana Deepti, with 93%.

Declaration:

I hereby declare that the above said information's are true to the best of my knowledge.

Bangalore J Krishna Kishore