Abhimanyu Gangula

Data Scientist

—

With a Bacherlor's degree in Petroleum Engineering from the University of Petroleum and Energy Studies, Dehradun, I took up a job in Tech Mahindra as Data Analyst.

As a Data Analyst, I worked on storing data from daily reports and analyzing them to let the stakeholders(Exxon Mobil & co.) make decisions that helped them in the Daily Drilling Operations. There was also a Real-time data monitoring aspect to our operations.

Working with data and analyzing it to predict and making ugdment calls on Drilling operations, opened new doors for me and a chance to explore the field of Data Science

I joined the Master's program of Business Analuytics and Information Sustems at the University of South Florida. The program helped adopt an industrial paradigm of how the data is analyzed to draw business conclusions. During my time at my Unviersity, I got the chance to work on many Data Science projects such as Sentiment Analysis on e-Commerce reviews, Influence of socioeconomic factors on Incarcerated population, EDA in Film Industry for a successful movie studio, and Predicting Drill bit wear and Reservoir Formation using ML techniques.

These projects provided an in-depth understanding of the tools and techniques used in the Data Science domain.The projects lead to understand

a.Data Processing-How important it is for the data we are going to build our models on needs to compatible to our needs.How various of types of data needs various approaches.It is important what we do with our missing data.

b.Feature Engineering-This is in conjunction with Data processing.we need our data to reflect our business objective. We have to transform our data set as per the business problem

c.Selecting and Building a model- Once our data is ready,we need to select a model in which we predict our values from.Depending on the feature we are trying to predict,our model might be anything from Classification to a Regression model.

d.Evaluation of the model-Once a model is built,it is important that we validate our model against a validation data set.

While working on the projects with an string academic background gave an understanding of the Data Science and Machine Learning practices.

But, I do not want to stop here and further apply my knowledge in the field of Data Sciences and Machine Learning to solving business problem.

I sincerely hope I will prove to be a valuable asset in your efforts towards Machine Learning and Data Science disciplines.