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Summary: Data Science and Machine Learning engineer with Springboard Experience and LinkedIn Certifications.

**Objective:** Data Science and Machine Learning engineer looking for challenging opportunities to build successful data models that drive business decision making. Experience in building NLP products – chatbots.

Skills and Knowledge:

C, C++, SQL, Python, Keras, Tensorflow, pytorch, Tableau, Excel, Spark, Hadoop, NLP, Model Deployment,

Experience:

Springboard Data Science Course –

Data Science Capstone Project 1: Online News Popularity

In this project, the goal is the explore the dataset given and be able to find popularity and to predict the popularity of a given article.

In order to be able to tune the models for better performances we consider different feature selection techniques.

The best machine learning model was the **Random Forest** which was able to attain an accuracy of 51.4% on the testing dataset. Some of the reasons for this low accuracy score is as a result of the large variance in the data set and also the imbalance in the class distribution which drives the prediction models to be bias towards popularity classes with more articles.

Data Science Capstone Project 2: NLP Question and Answer Chatbot

A chatbot also known as a chatterbot, bot, artificial agent, etc is basically a software program driven by [artificial intelligence](https://www.edureka.co/blog/artificial-intelligence-with-python/) which serves the purpose of making a conversation with the user by texts or by speech.

Chatbots often perform tasks like making a transaction, booking a hotel, form submissions, etc. The possibilities with a chatbot are endless with the technological advancements in the domain of artificial intelligence.

Data Science Project 3: Twitter Sentiment Analysis

Sentiment analysis is one of the most common tasks in Data Science and AI.

My task is to analyse the Tweets on Corona virus in terms of **Subjectivity** and **Polarity**. We will identify individual tweets as **positive, negative and neutral** and calculate the percentage of positive tweets. We will use the **WordCloud** library to display a word cloud of the most positive words from the tweets.

For this project, we will be accessing information from twitter using **Twitter API**.I’ve analysed 1000 tweets on corona virus and got 350 positive, 89 negative and 561 neutral as a result the polarity is 155.70.

# Data Science Project 4:Restaurant Review Classification with NLTK

In this project, we will analyse the reviews of customers about a restaurant and will predict based on these reviews whether the customer has liked the product of the restaurant or not. That means whether it is a positive review or negative review, based on the available text review. The prediction will be carried out by classification models and will find out which classification model is best in this task of prediction.

Here I’ve analysed 1500 reviews were taken for analysis. From these reviews we got the positive and negative feedback. The accuracy score is 73%.

Education and Certifications:

Bachelor of Law (LLB) - Padala Rama Reddy Law College (2014 - 2017).

Bachelor of Technology - Gudlavalleru Engineering College, Seshadri Rao Knowledge Village, Gudlavalleru, Pin 521356 (2001 - 2004).

Diploma in Computer Science and Engineering – Smt.B. Seetha Women’s Polytechnic (1998 -2001).