

# **CRUDE OIL PRICE PREDICTION**

## **PROBLEM STATEMENT:**

- Oil demand is inelastic, therefore the rise in price is good news for producers because they will see an increase in their revenue.
- Oil importers, however, will experience increased costs of purchasing oil.
- Because oil is the largest traded commodity, the effects are quite significant.
- A rising oil price can even shift economic/political power from oil importers to oil exporters.
- The crude oil price movements are subject to diverse influencing factors.
- This Guided Project mainly focuses on applying Neural Networks to predict the Crude Oil Price.
- This decision helps us to buy crude oil at the proper time.
- Time series analysis is the best option for this kind of prediction because we are using the Previous history of crude oil prices to predict future crude oil.
- So, we would be implementing RNN (Recurrent Neural Network) with LSTM (Long Short-Term Memory) to achieve the task.

# SOLUTION ARCHITECTURE

