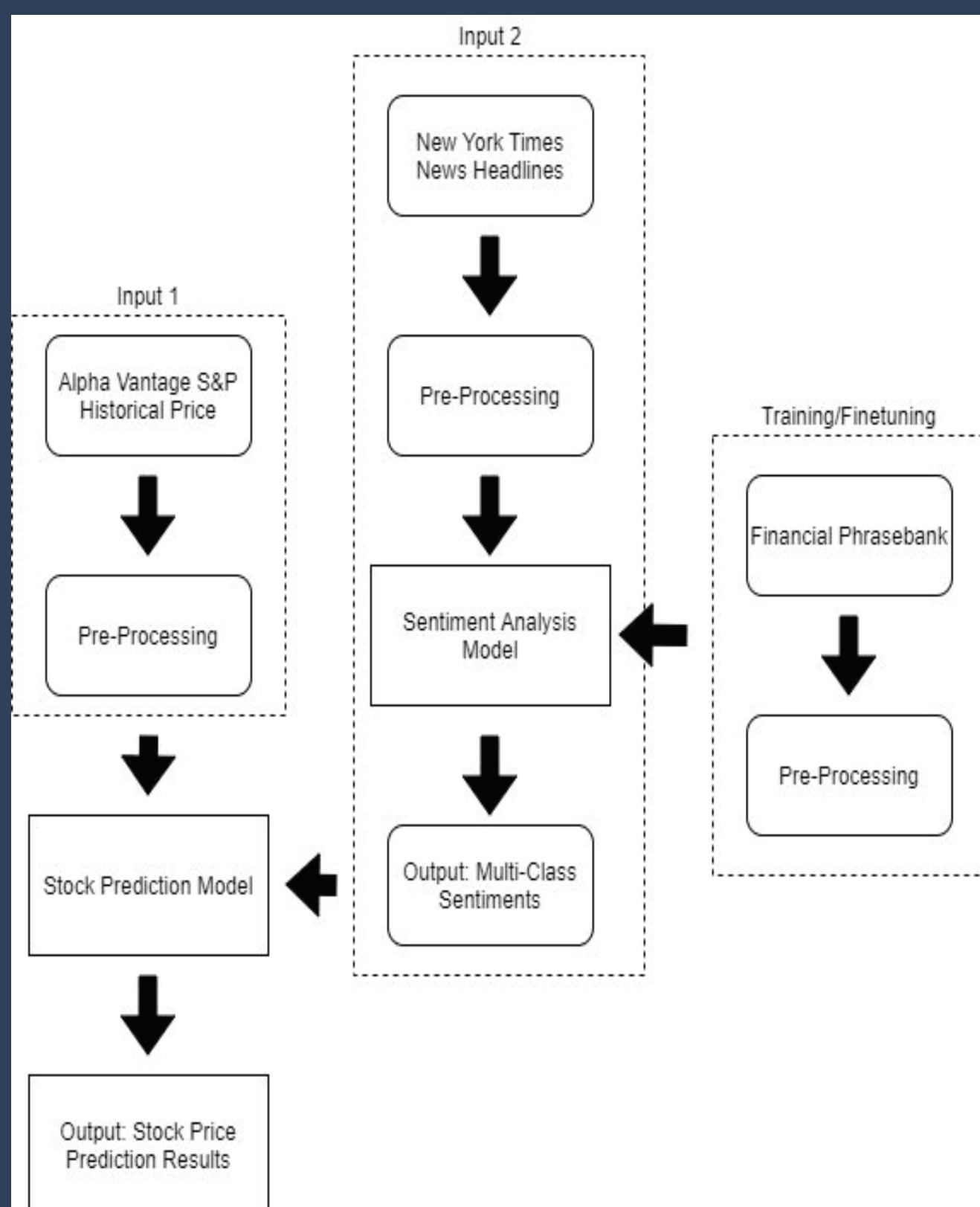


# AI Based Stock Market Trending Analysis

## Utilising news sentiments to forecast stock prices

This project utilises news sentiments and the historical close prices of the S&P500 index to forecast the next day price. The Bi-directional Encoder Representation from Transformer (BERT) and Long Short-Term Memory (LSTM) models will be used for sentiment analysis on New York Times news headlines and for next day price forecasting respectively.

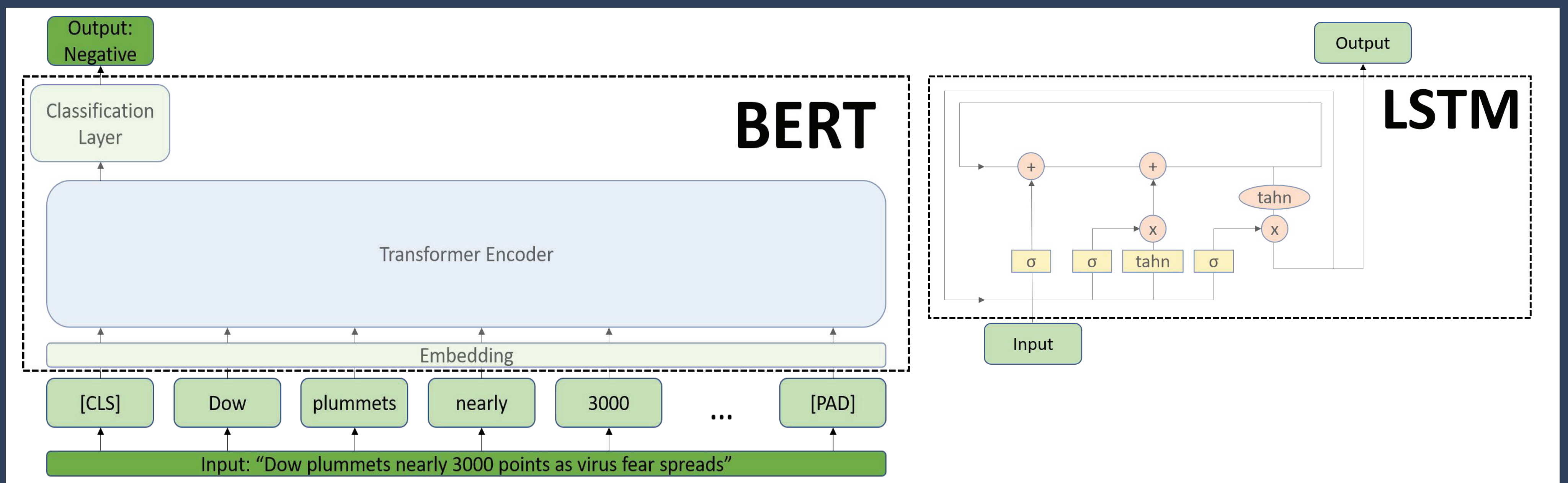
### Diagram



### Forecast



### Machine Learning Models



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