Visualization And Forecasting Of Stocks

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A stock, also known as equity, is a security that represents the ownership of a fraction of the issuing corporation.

Forecasted revenue and growth projections are important components of security analysis, often leading to a stock's future worth.
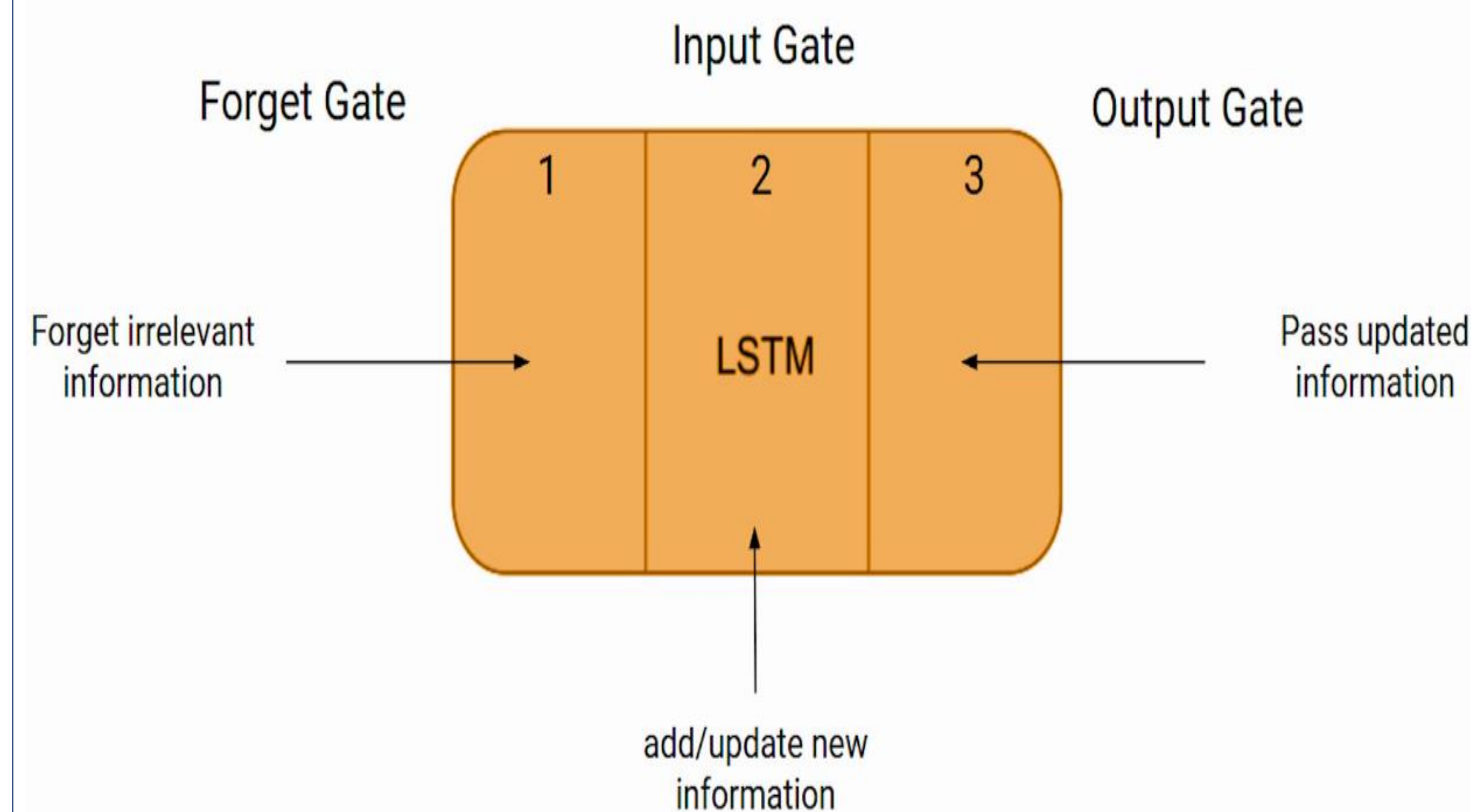
As financial institutions begin to embrace artificial intelligence, machine learning is increasingly utilized to help make trading decisions.

One method for predicting stock prices is using a long short-term memory neural network (LSTM) for times series forecasting.
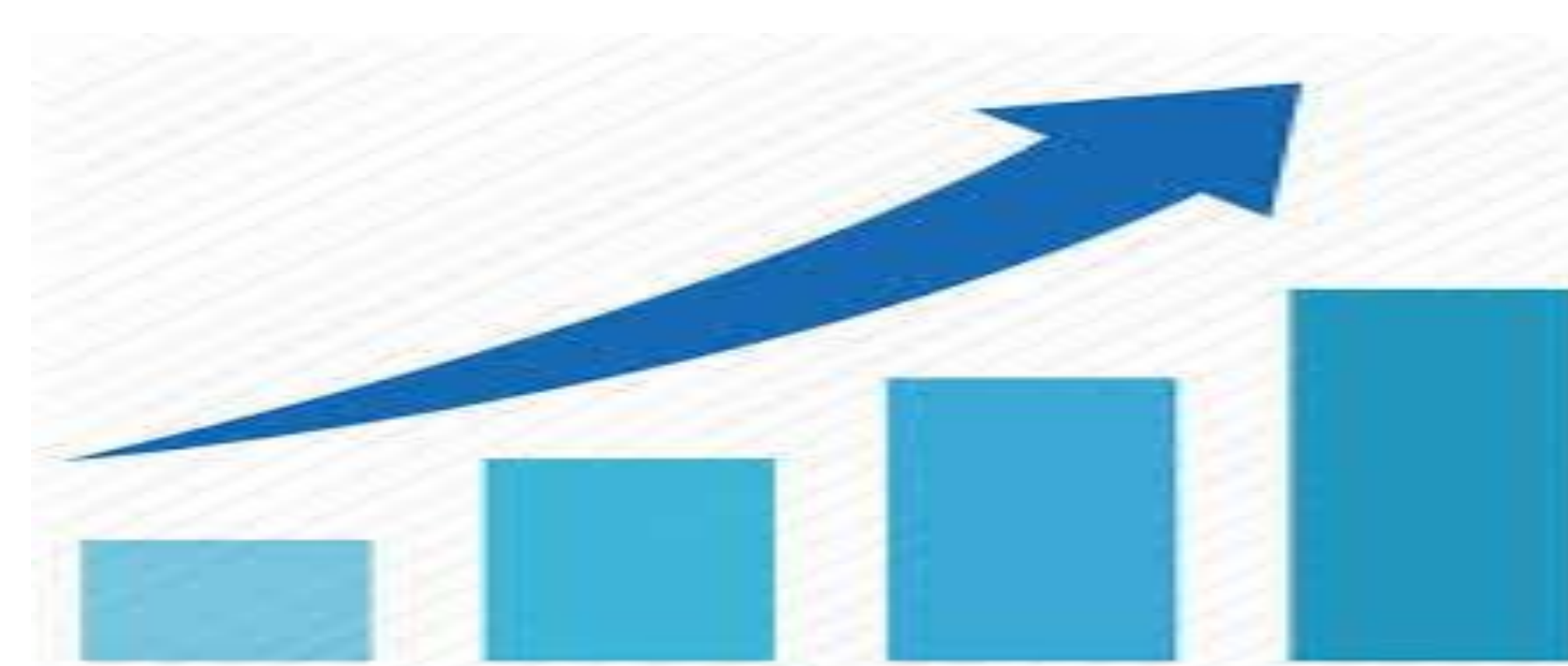
The prediction accuracy of the LSTM model improves with increase in the size of the dataset and makes is more efficient.

LSTM MODEL

The first part is called Forget gate, the second part is known as the Input gate and the last one is the Output gate.

The recent trend in stock market prediction technologies is the use of machine learning which makes predictions based on the values of current stock market indices by training on their previous values.

USP's Of The Project:

• Financial masters need to know whether some stock will get higher or lower over particular time-period.

• To obtain the accurate output, the approach used is to implemented is machine learning along with supervised learning algorithms.

• Results are tested using different types of supervised learning algorithms with a different set of a features.

"It's not whether you're right or wrong that's important, but how much money you make when you're right and how much you lose when you're wrong." — George Soros