## Read me : **Model Training**

* The LSTM model is trained on scaled stock price data.
* The training process involves multiple epochs and batch sizes to optimize performance.
* The model performance is evaluated using various metrics:
  + Root Mean Square Error (RMSE)
  + Mean Squared Error (MSE)
  + R-squared (R²)
  + Mean Absolute Error (MAE)
*  **Epochs 30–80:** Noticeable improvement in RMSE and R^2, but some fluctuations.
*  **Batch 32 vs. 64:** Smaller batches tend to slightly reduce error, as seen in the 80-epoch results.
*  **100 Epochs:** Shows best performance with RMSE = 95.1, MSE = 9044.6, and R2=0.9783.