## MINOR PROJECT

Submitted by students of Btech cse (AIML) 2nd sem

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## **About the Project**

Stock price prediction is a pivotal part of financial analytics. With accurate forecasts, investors and traders can make better-informed decisions, increasing potential returns. This project leverages Python, a powerful programming language, to analyze historical stock data and build predictive models using machine learning algorithms



```
Train on 761 samples, validate on 269 samples
Epoch 1/100
761/761 [===
                               =======] - 13s 17ms/step - loss: 0.2048 - val_loss: 0.0253
761/761 [===
                                       ====] - 10s 13ms/step - loss: 0.0197 - val_loss: 0.0112
Epoch 3/100
                                          ==] - 10s 14ms/step - loss: 0.0088 - val_loss: 0.0101
Epoch 4/100
Epoch 5/100
761/761 [===
                                          ==] - 10s 13ms/step - loss: 0.0051 - val_loss: 0.0083
                                         ==] - 10s 13ms/step - loss: 0.0044 - val_loss: 0.0071
761/761 [==
Epoch 7/100
Epoch 8/100
                                          ==] - 10s 13ms/step - loss: 0.0034 - val_loss: 0.0053
Epoch 9/100
761/761 [===
                                          ==] - 10s 13ms/step - loss: 0.0031 - val_loss: 0.0047
                                        ===] - 10s 13ms/step - loss: 0.0030 - val_loss: 0.0044
761/761 [====
Epoch 11/100
                                         ==] - 10s 13ms/step - loss: 0.0029 - val_loss: 0.0042
Epoch 12/100
                                          =] - 10s 13ms/step - loss: 0.0028 - val_loss: 0.0042
Epoch 99/100
                                         ==] - 10s 13ms/step - loss: 0.0012 - val_loss: 0.0017
Epoch 100/100
761/761 [=====
                                      =====] - 10s 13ms/step - loss: 0.0012 - val_loss: 0.0016
Output is truncated. View as a <u>scrollable element</u> or open in a <u>text editor</u>. Adjust cell output <u>settings</u>...
<keras.callbacks.callbacks.History at 0x7fcbc4faa690>
```

