## Flow chart/Work flow: Start **Data Collection** - Get historical AAPL stock prices(e.g., from Kaggle) **Data Preprocessing** -Clean the data(remove nulls,format dates) -Normalize values(e.g., MinMaxscaler) -Create sequences for LSTM **Data Splitting** -Train/Test Split Model Building(LSTM) -Define LSTM model Architecture -Compile model with optimizer & loss **Model Training** -Fit model with training data **Model Evalution** -Evalute on test data(e.g.,RMSE) **Prediction** - Predict future Apple Stock Prices Visualization -Plot actual vs predicted prices End