

Progress Report: Milestone 2 Completion

I've successfully completed all objectives for Milestone 2: Model Development & Training. My goal was to build and train a predictive model using the data we prepared, and that is now done.

Here's a summary of the key deliverables I accomplished:

- I have successfully implemented an LSTM model architecture using TensorFlow and Keras, creating a two-layer sequential model designed specifically for our time-series data.
- I then trained this model on our prepared dataset, which generated the optimized Trained model weights that are now stored in the model object.
- To evaluate the training process, I generated and analyzed the Training loss and validation loss curves, which showed a successful learning trend and good generalization on unseen data.

The model is now trained and validated, and I'm ready to proceed with the next phase of the project.