

Jay Rajesh

Dr. Kanjilal + Dr. Diaz Alvarenga

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ANN Visualizations for Neurocontroller

Iteration 1:

- Test Loss (MSE): 0.23999366164207458
- Test MAE: 0.02386506460607052
- Test RMSE: 0.4898914794544549
- Test R² Score: 0.9748185156304872
- Final Training Loss: 0.24241843819618225
- Final Validation Loss: 0.24000634253025055
- Result: The model performance appears balanced.

Model summary:

- three hidden layers, each with 256 neurons.
- Number of parameters per layer:

Model: "sequential"

Layer (type)	Output Shape	Param #
dense (Dense)	(None, 256)	165,632
dense_1 (Dense)	(None, 256)	65,792
dense_2 (Dense)	(None, 256)	65,792
dense_3 (Dense)	(None, 2)	514

Total params: 297,730 (1.14 MB)

Trainable params: 297,730 (1.14 MB)

Non-trainable params: 0 (0.00 B)

Figure 1

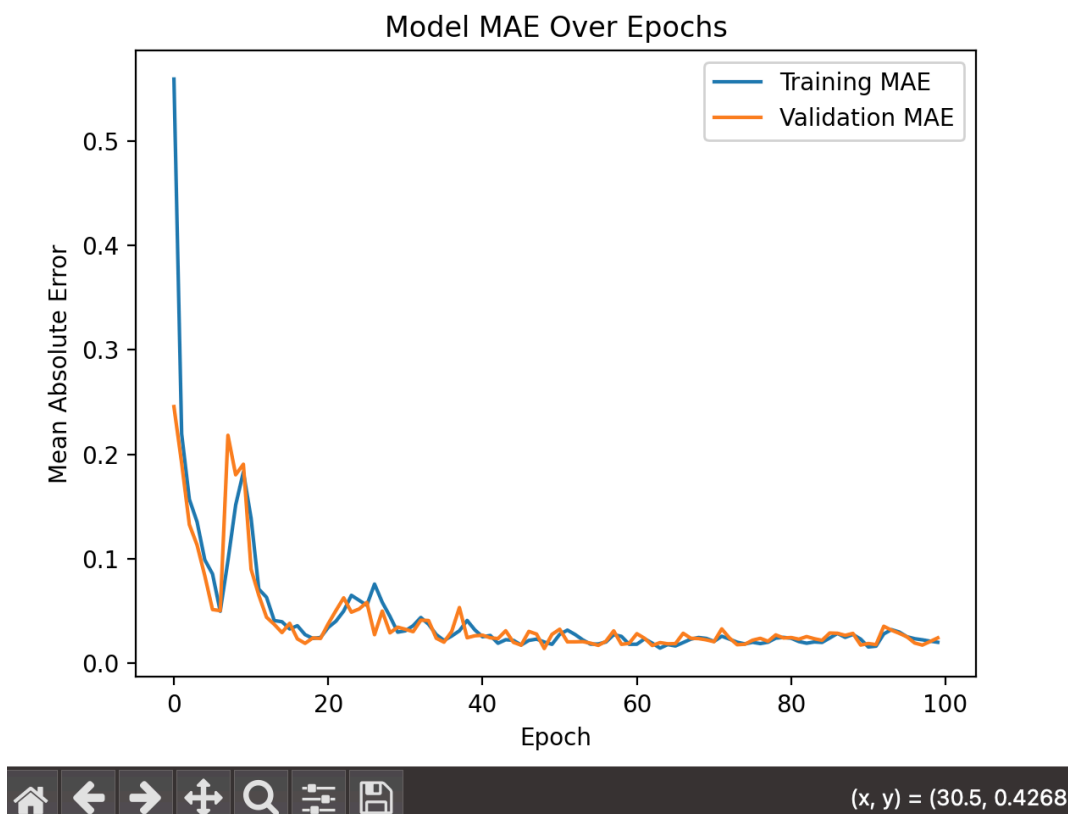


Figure 1

