

	Hidden Layers	Hidden Units	Loss Function	Activation	Epochs	Validation Loss	Validation Accuracy
Original Model	2	16	binary_crossentropy	relu	20	0.6264	0.8592
4 Epochs	2	16	binary_crossentropy	relu	4	0.2958	0.8825
1 Hidden Layer	1	16	binary_crossentropy	relu	20	0.4354	0.8617
3 Hidden Layers	3	16	binary_crossentropy	relu	20	0.7122	0.8555
4 Hidden Units	2	4	binary_crossentropy	relu	20	0.4198	0.8647
64 Hidden Units	2	64	binary_crossentropy	relu	20	0.7196	0.8692
MSE Loss Function	2	16	MSE	relu	20	0.1071	0.8657
Tanh Activation	2	16	binary_crossentropy	Tanh	20	0.6819	0.8498
Regularization	2	16	binary_crossentropy	relu	20	0.3912	0.8756
Dropout	2	16	binary_crossentropy	relu	20	0.5548	0.8728
<b>Final Model with Dropout</b>	<b>2</b>	<b>64</b>	<b>binary_crossentropy</b>	<b>relu</b>	<b>5</b>	<b>0.2956</b>	<b>0.8884</b>