## Project Trial Log

Experiment Number	Parameters	Results
1	input_dim = X.shape[1]	Test Loss (Binary Cross-Entropy): 0.6942
#Change	hidden_dim = 64	Failure:
the	output_dim = 1	- Precision: 0.04
learning	learning_rate = 0.1	- Recall: 0.66
rate	epochs = 30	- f1-score: 0.07
late	batch_size = 128	No Failure:
	541511_6126 126	- precision: 0.98
		- recall: 0.49
		- f1-score: 0.65
		Accuracy: 0.49
2	input_dim = X.shape[1]	Test Loss (Binary Cross-Entropy): 0.6895
_	hidden dim = 64	Failure:
	output_dim = 1	- Precision: 0.04
	learning_rate = 0.2	- Recall: 0.61
	epochs = 30	- f1-score: 0.08
	batch size = 128	No Failure:
	Sateri_6:25	- precision: 0.98
		- recall: 0.57
		- f1-score: 0.72
		Accuracy: 0.57
3	input_dim = X.shape[1]	Test Loss (Binary Cross-Entropy): 0.6881
	hidden_dim = 64	Failure:
	output_dim = 1	- Precision: 0.04
	learning_rate = 0.3	- Recall: 0.51
	epochs = 30	- f1-score: 0.07
	batch_size = 128	No Failure:
	_	- precision: 0.97
		- recall: 0.59
		- f1-score: 0.74
		Accuracy: 0.59
4	input_dim = X.shape[1]	Test Loss (Binary Cross-Entropy): 0.6896
	hidden_dim = 64	Failure:
	output_dim = 1	- Precision: 0.01
	learning_rate = 0.4	- Recall: 0.10
	epochs = 30	- f1-score: 0.02
	batch_size = 128	No Failure:
		- precision: 0.96
		- recall: 0.74
		- f1-score: 0.83
		Accuracy: 0.72

5	input_dim = X.shape[1] hidden_dim = 64 output_dim = 1 learning_rate = 0.5 epochs = 30 batch_size = 128	Test Loss (Binary Cross-Entropy): 0.6923 Failure: - Precision: 0.03 - Recall: 0.54 - f1-score: 0.06 No Failure: - precision: 0.97 - recall: 0.52 - f1-score: 0.68 Accuracy: 0.52
6	input_dim = X.shape[1] hidden_dim = 64 output_dim = 1 learning_rate = 0.41 epochs = 30 batch_size = 128	Test Loss (Binary Cross-Entropy): 0.6924 Failure: - Precision: 0.03 - Recall: 0.41 - f1-score: 0.05 No Failure: - precision: 0.97 - recall: 0.55 - f1-score: 0.70 Accuracy: 0.54
7 #Change the batch size	input_dim = X.shape[1] hidden_dim = 64 output_dim = 1 learning_rate = 0.4 epochs = 30 batch_size = 130	Test Loss (Binary Cross-Entropy): 0.6933 Failure: - Precision: 0.04 - Recall: 0.69 - f1-score: 0.08 No Failure: - precision: 0.98 - recall: 0.51 - f1-score: 0.67 Accuracy: 0.52
8	input_dim = X.shape[1] hidden_dim = 64 output_dim = 1 learning_rate = 0.4 epochs = 30 batch_size = 126	Test Loss (Binary Cross-Entropy): 0.6933 Failure: - Precision: 0.03 - Recall: 0.52 - f1-score: 0.06 No Failure: - precision: 0.97 - recall: 0.46 - f1-score: 0.63 Accuracy: 0.46
9 #Change Epoch	input_dim = X.shape[1] hidden_dim = 64 output_dim = 1 learning_rate = 0.4	Test Loss (Binary Cross-Entropy): 0.6919 Failure: - Precision: 0.02 - Recall: 0.20

	epochs = 35	- f1-score: 0.03
	batch_size = 128	No Failure:
		- precision: 0.96
		- recall: 0.64
		- f1-score: 0.77
		Accuracy: 0.62
10	# Hyperparameters	Test Loss (Binary Cross-Entropy): 0.6910
	input_dim = X.shape[1]	Failure:
	hidden_dim = 64	- Precision: 0.05
	output_dim = 1	- Recall: 0.75
	learning_rate = 0.4	- f1-score: 0.09
	epochs = 25	No Failure:
	batch_size = 128	- precision: 0.99
	Baton_3/20	- recall: 0.53
		- f1-score: 0.69
		Accuracy: 0.54
11	input_dim = X.shape[1]	Test Loss (Binary Cross-Entropy): 0.6903
#Change	hidden_dim = 67	Failure:
Hidden	output_dim = 1	- Precision: 0.05
Dimension	learning_rate = 0.4	- Recall: 0.64
Difficusion	epochs = 30	- f1-score: 0.09
	batch_size = 128	No Failure:
	Datcii_Size = 120	- precision: 0.98
		- recall: 0.61
		- f1-score: 0.75
12	innut dim - V shana[1]	Accuracy: 0.61
12	input_dim = X.shape[1] hidden_dim = 61	Test Loss (Binary Cross-Entropy): 0.6893 Failure:
	output_dim = 1	- Precision: 0.05
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	learning_rate = 0.4	- Recall: 0.57
	epochs = 30	- f1-score: 0.09
	batch_size = 128	No Failure:
		- precision: 0.98
		- recall: 0.66
		- f1-score: 0.79
		Accuracy: 0.66