## **Time Series Model:**

Hyperparameter	Value
Regularization	L2
Penalty Term	0.01
Learning Rate	0.0001
Optimizer	adam
Loss	Binary Cross Entropy
Activation Function	Sigmoid
Layers	LSTM, GRU
Dropout	N/A
Batch Size	128
Epochs	100

## Multimodal:

Hyperparameter	Value
Regularization	L2
Penalty Term	0.01
Learning Rate	0.001
Optimizer	adam
Decay	0.01
Loss	Binary Cross Entropy
Activation Function	Sigmoid
Layers	GRU
Dropout	0.2
Batch Size	64
Epochs	100

## Proposed:

Hyperparameter	Value
Regularization	L2
Penalty Term	0.01
Learning Rate	1e-3
Optimizer	adam
Decay	0.01
Loss	Binary Cross Entropy
Activation Function	Sigmoid
Layers	GRU
Dropout	0.2
Batch Size	64
Epochs	100