Model	Metrics	Hyperparameter Tuning
LSTM	1. MSE/RMSE 2. AUC-ROC 3. Precision, Recall, F1-Score	1. Number of layers 2. Number of units per layer 3. Dropout rate 4. Batch size 5. Optimizer 6. Learning rate
Autoencoders	1. MSE/RMSE 2. AUC-ROC 3. Precision, Recall, F1-Score	1. Number of hidden layers 2. Number of neurons per layer 3. Learning rate Activation function 4. Batch size 5. Loss function
Feed-Forward Neural Networks	1. MSE/RMSE 2. AUC-ROC 3. Precision, Recall, F1-Score	1. Number of hidden layers 2. Number of neurons per layer 3. Learning rate 4. Activation function 5. Batch size 6. Optimizer
Gradient Boost Neural Networks	1. MSE/RMSE 2. AUC-ROC 3. Precision, Recall, F1-Score	1. Number of trees Learning rate 2. Maximum depth of trees 3. Subsample ratio Minimum samples split 4. Regularization parameters