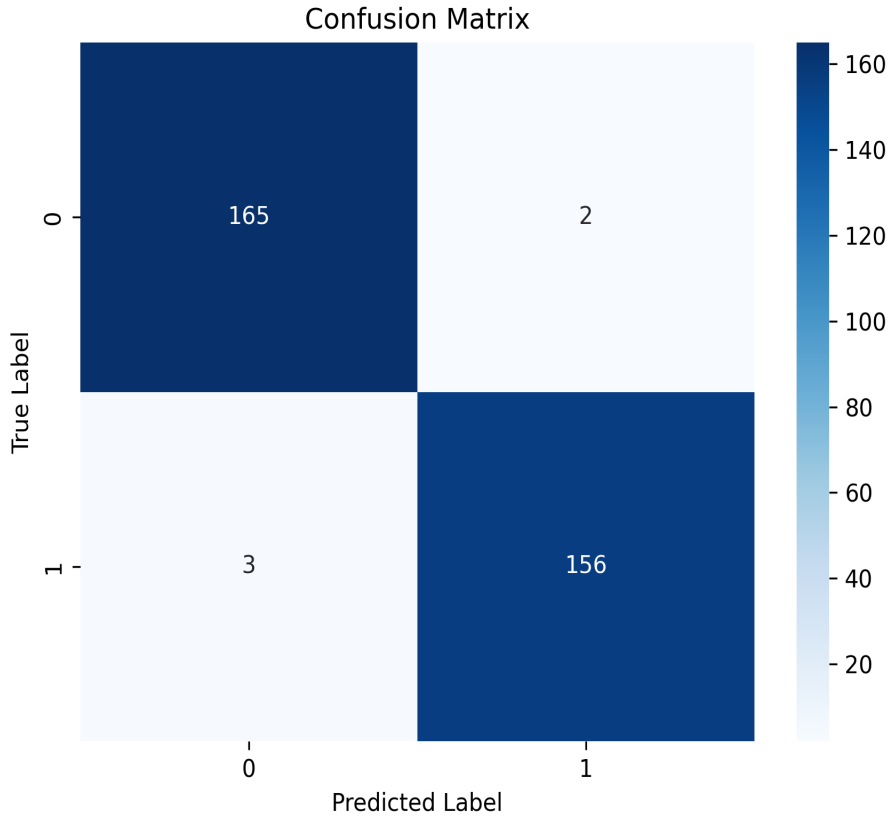
Model Report: MLP

Experiment: om
Problem Type: Classification
Generated: 2025-05-06 18:58:05

Model Performance

Metric	Value
Accuracy	0.9847
Precision	0.9847
Recall	0.9847
F1	0.9847

Confusion Matrix



Classification Report

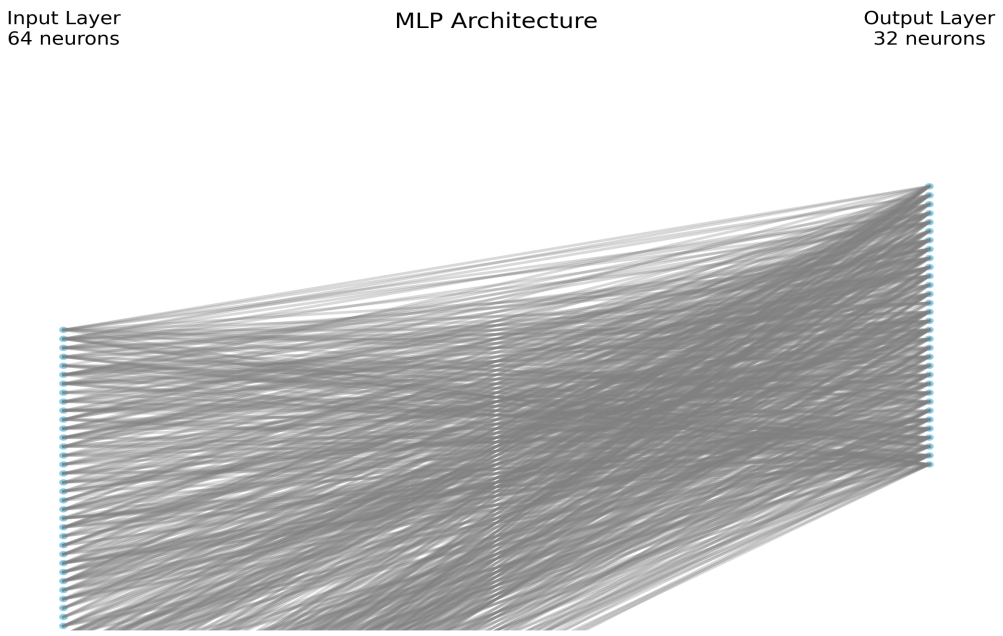
```
              precision    recall  f1-score   support

           0       0.98      0.99      0.99       167
           1       0.99      0.98      0.98       159

    accuracy                           0.98       326
   macro avg       0.98      0.98      0.98       326
weighted avg       0.98      0.98      0.98       326
```

Neural Network Architecture

Network Topology

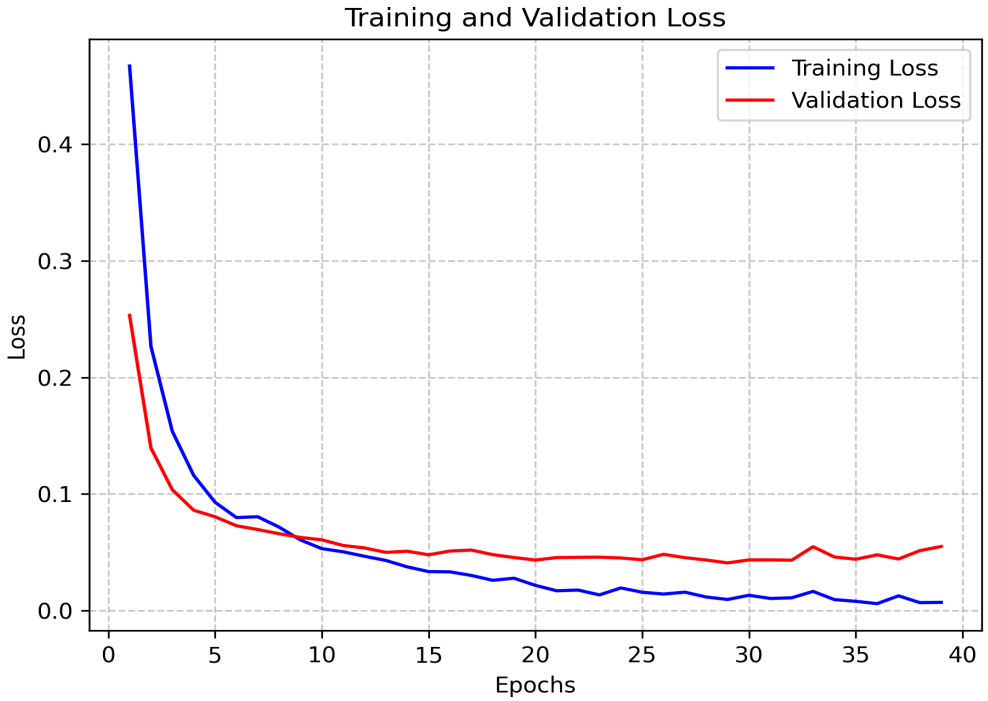


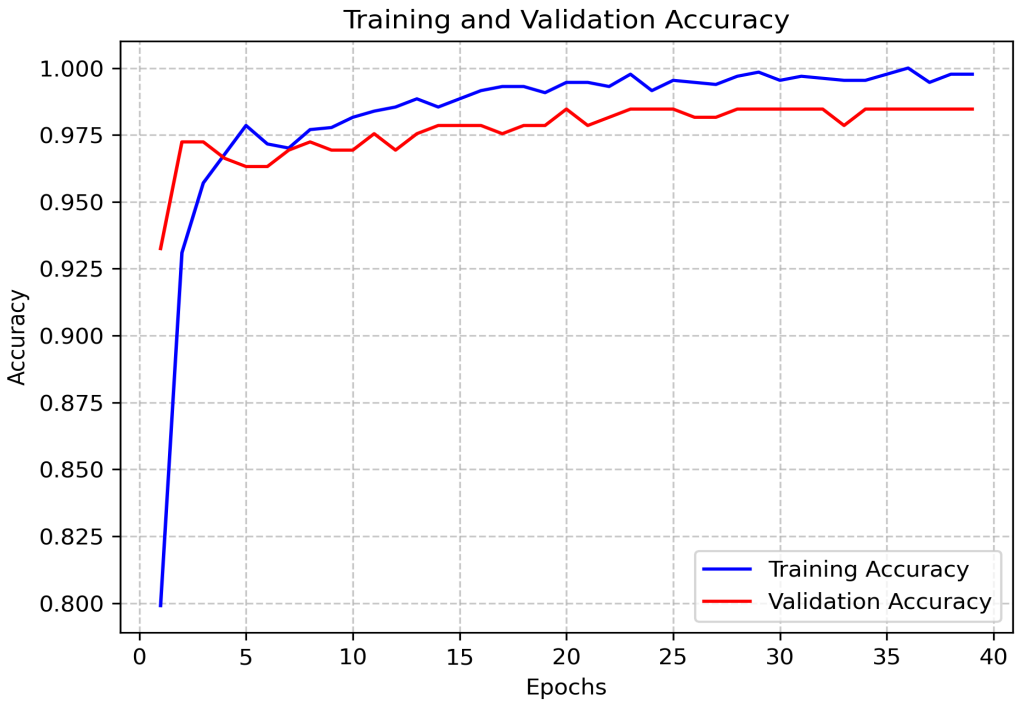
Model Parameters

Parameter	Value
layers	[64, 32]
activation	relu
dropout	0.2
learning_rate	0.001
epochs	100

batch_size	32
early_stopping	True
patience	10

Training History




Training and Validation Accuracy
1.000
0.975
0.950
0.925
0.900
0.875
0.850
0.825
0.800
Accuracy
0
5
10
15
20
25
30
35
40
Epochs
Training Accuracy
Validation Accuracy