Facial Expression Stress Detection Report

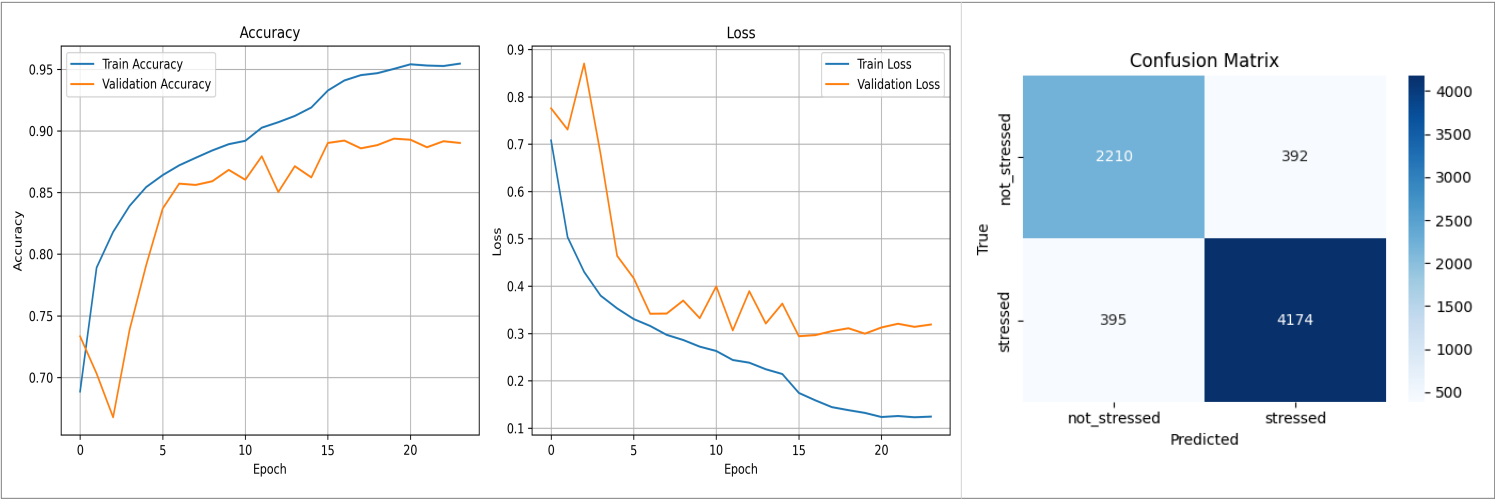Report Generated: 2025-11-12 06:39:11

Model Information:

Architecture: MobileNetV2 (Transfer Learning + Fine-tuning)
Input Size: 96x96x3
Output Classes: 2 (Not Stressed, Stressed)

Final Epoch Metrics:

Final Training Accuracy: 0.9545
Final Validation Accuracy: 0.8902
Final Training Loss: 0.1242
Final Validation Loss: 0.3188

Test Performance:

Test Accuracy: 0.8903
Test Loss: 0.2779

Classification Report:

```
precision recall f1-score support not_stressed 0.85 0.85 0.85 2602 stressed 0.91 0.91
0.91 4569 accuracy 0.89 7171 macro avg 0.88 0.88 0.88 7171 weighted avg 0.89 0.89 0.89
7171
```