**EEG Dataset Performance Metrics**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Model | Accuracy | Precision score | Recall | F1 score |
| SVM | 97.658% | 97.8% | 98.3% | 98.0% |
| Decision Tree | 94.847% | 95.6% | 95.6% | 95.6% |
| Random Forest` | 98.829% | 98.8% | 98.8% | 98.8% |
| CNN | 97.423% | 97.5% | 99.5% | 98.5% |
| LSTM | 98.594% | 98.5% | 98.8% | 98.65% |
| Auto Encoder | 92.8% | 93.0% | 94.2% | 93.6% |
| Complex Neural Network Classifier with Early Stopping | 95.6% | 95.6% | 96.8% | 96.2% |

**EYE Tracking Data Performance Metrics**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Model | Accuracy | Precision score | Recall | F1 score |
| Decision Tree | 98.0% | 97.8% | 97.8% | 97.8% |
| KNN | 99.725% | 99.2% | 98.8% | 99.0% |
| Random Forest | 99.998% | 99.999% | 99.999% | 99.995% |
| LSTM | 99.962% | 99.5% | 99.6% | 99.65% |
| ResNet | 85.044% | 84.0% | 85.02% | 85.0% |

**AQ10 Data Performance Metrics**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Model | Accuracy | Precision score | Recall | F1 score |
| Logistic Regression | 100% | 100% | 100% | 100% |
| Random Forest | 92.22% | 100% | 71.05% | 83.01% |
| SVM | 100% | 100% | 100% | 100% |
| KNN | 91.2% | 83.87% | 83.87% | 83.87% |
| ANN | 95.3% | 83.33% | 96.77% | 89.66% |
| Decision Tree | 91.9% | 86.21% | 80.65% | 83.33% |
| Extra Trees Classifier | 92.9% | 100% | 74.19% | 85.19% |

**AQ10 Data Performance Metrics**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Model | Accuracy | Precision score | Recall | F1 score |
| EfficientNetb4 | 81% | 82.5% | 82% | 82% |
| VGG19 | 82% | 79.33% | 78% | 84.21% |
| NasaNetMobile | 69% | 71.2% | 71.23% | 69% |
| Xception | 79.3% | 79.01% | 80.33% | 78.19% |
| CNN | 78.1% | 78.3% | 79.1% | 77.2% |
| Resnet50 | 80.4% | 80.1% | 79.5% | 80.3% |
| MobileNet | 78.09% | 79.1% | 79.1% | 76.5% |
| EfficientNet | 83.2% | 84.1% | 82.3% | 80.8% |