**Student Social Media Addiction Results**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Model** | **Train Accuracy** | **Test Accuracy** | **Precision** | **Recall** | **F1-Score** | **Time (s)** | **Specificity** | **Sensitivity** |
| **LightGBM** | 1.0000 | 0.9858 | 0.9859 | 0.9858 | 0.9851 | 40.1489 | 0.9859 | 0.9858 |
| **CatBoost** | 1.0000 | 0.9929 | 0.9930 | 0.9929 | 0.9929 | 133.8106 | 0.9910 | 0.9929 |
| **SVM** | 0.9965 | 0.9858 | 0.9858 | 0.9858 | 0.9858 | 13.0687 | 0.9859 | 0.9858 |
| **Gradient Boosting** | 1.0000 | 0.9858 | 0.9859 | 0.9858 | 0.9851 | 95.8585 | 0.9859 | 0.9858 |
| **XGBoost** | 1.0000 | 0.9858 | 0.9859 | 0.9858 | 0.9851 | 21.2935 | 0.9859 | 0.9858 |
| **XGBoost+CNN** | 0.9947 | 0.9858 | 0.9859 | 0.9858 | 0.9851 | 32.5334 | 0.9859 | 0.9858 |
| **CNN+SVM** | 0.9929 | 0.9929 | 0.9930 | 0.9929 | 0.9929 | 24.2304 | 0.9910 | 0.9929 |
| **MLP** | 0.9965 | 0.9929 | 0.9930 | 0.9929 | 0.9929 | 11.5783 | 0.9910 | 0.9929 |
| **Vision Transformer** | 0.9929 | 0.9787 | 0.9790 | 0.9787 | 0.9781 | 10.5932 | 0.9808 | 0.9787 |













