#### Selection Method:

* **Random Forest**: Chosen for its robustness and ability to handle large datasets with high dimensionality. It reduces overfitting by averaging multiple decision trees.
* **Gradient Boosting**: Selected for its effectiveness in improving predictive performance through sequentially correcting the errors of weak classifiers.
* **Support Vector Machine (SVM)**: Included for its strength in classification tasks, especially in high-dimensional spaces, by finding the optimal hyperplane that maximizes the margin between classes.