Random Forest

Stages		Metrics			
		Accuracy	Precision	Recall	F1 Score
	Research Paper Metrics	83.3%			
Base Model	w/o Cross Validation	89.59%			
	w/ 5-fold Cross Validation	90.79%	91.86%	89.09%	90.31%
Feature Selection	Boruta	90.54%			
Hyperparameter Tuning	Random_search (w/o feature selection)	w/ n_iter = 10 & cv= 5, 76.04% w/ n_iter = 20 & cv= 10, 83.05% w/ n_iter = 50 & cv=50, 83.93%			
	Random_search (w feature selection)	w/ n_iter = 50 & cv=50, 83.90%			
	GridSearchCV (w/o feature selection)	77.09%			
	GridSearchCV (w feature selection)	75.31%			