

Model Optimization and Tuning Phase

Hyperparameter Tuning

Random Forest	Tuned n_estimators, max_depth
XGBoost	Tuned learning_rate, n_estimators, max_depth

Final Model Selection

Best Model	Selected based on highest R2 Score and lowest error
Model Saving	Saved using pickle for deployment

Deployment

Framework	Flask web app
Pages	home.html, about.html, predict.html, submit.html