Step	Purpose	Tools
Data Preprocessing	Clean, transform, and scale data	Scikit-learn preprocessors
Feature Engineering	Improve input features	Custom logic, sklearn
Feature Selection	Reduce dimensionality	SelectKBest, PCA
Model Training	Fit model to data	SVM, RandomForest, etc.
Evaluation	Measure model performance	accuracy_score, etc.
Tuning	Optimize hyperparameters	GridSearchCV
Deployment	Export and serve model	joblib, Flask, FastAPI