 **Pandas** will be used to load and manipulate your rainfall data.

 **Numpy** will help in handling numerical operations and performing calculations needed for machine learning models.

 **Matplotlib** and **Seaborn** will be used to visualize your data, trends in rainfall, correlations between variables, and the results of your model predictions.

 **resample**: Helps with dataset resampling to handle class imbalance.

 **train\_test\_split**: Splits your data into training and test sets.

 **GridSearchCV**: Tuning hyperparameters to find the best model configuration.

 **cross\_val\_score**: Cross-validation to ensure robust model evaluation.

 **RandomForestClassifier**: Classifier for predicting rainfall patterns.

 **classification\_report, confusion\_matrix, accuracy\_score**: Evaluate model performance using various metrics.

 **pickle**: Serialize and save models for later use.