**Project Overview**

This project aims to predict whether it will rain tomorrow based on historical weather data. Using machine learning techniques, we've built a comprehensive preprocessing pipeline and predictive model to forecast rainfall with high accuracy.

**Key Objectives:**

* Clean and preprocess raw weather data
* Handle missing values and outliers
* Engineer meaningful features
* Balance the dataset to address class imbalance
* Build and evaluate predictive models
* Provide date-specific predictions for practical use