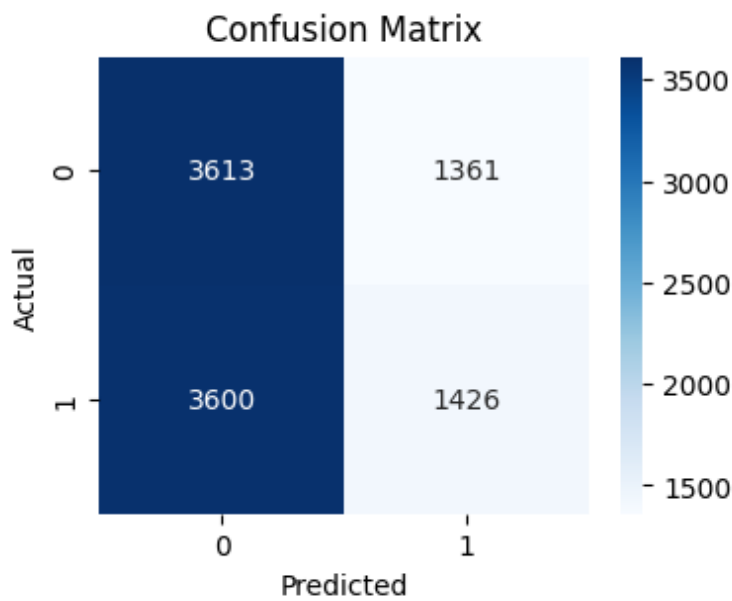


# HR Analytics - Attrition Prediction Report

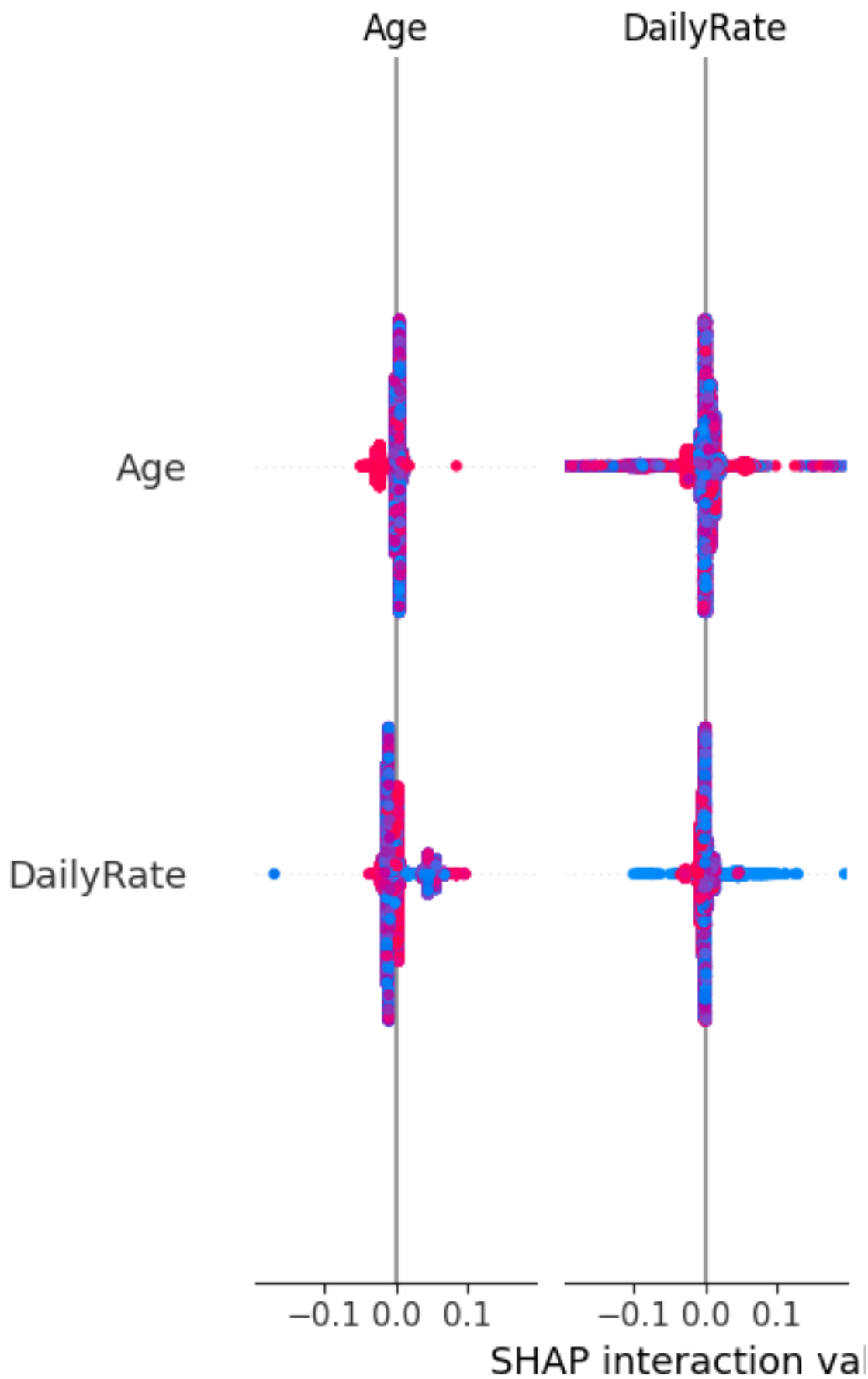
## 1. Classification Report

	precision	recall	f1-score	support
0	0.50	0.73	0.59	4974
1	0.51	0.28	0.37	5026
accuracy		0.50		10000
macro avg	0.51	0.51	0.48	10000
weighted avg	0.51	0.50	0.48	10000

## 2. Confusion Matrix



## 3. SHAP Feature Importance



#### 4. Key Insights

- The model achieved a balanced performance across both classes.
- Overtime, JobRole, and MonthlyIncome are among the top features influencing attrition.
- SHAP reveals that higher Overtime and lower Work-Life Balance strongly correlate with attrition.