Experiment-2
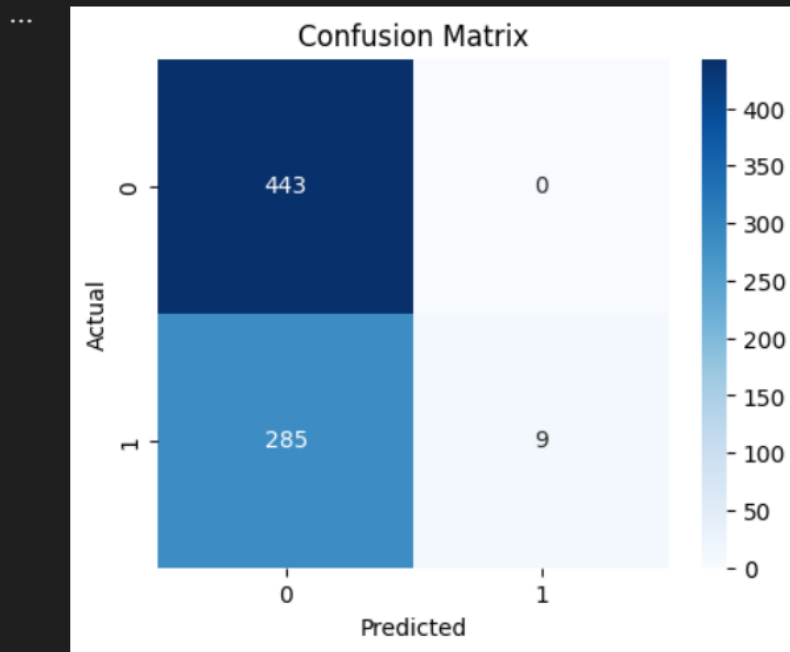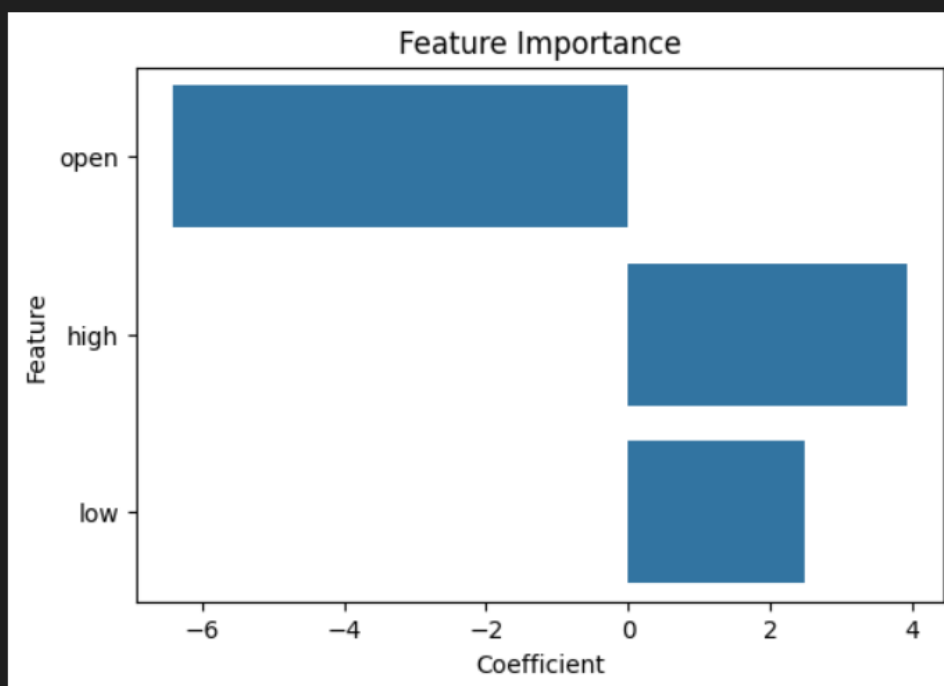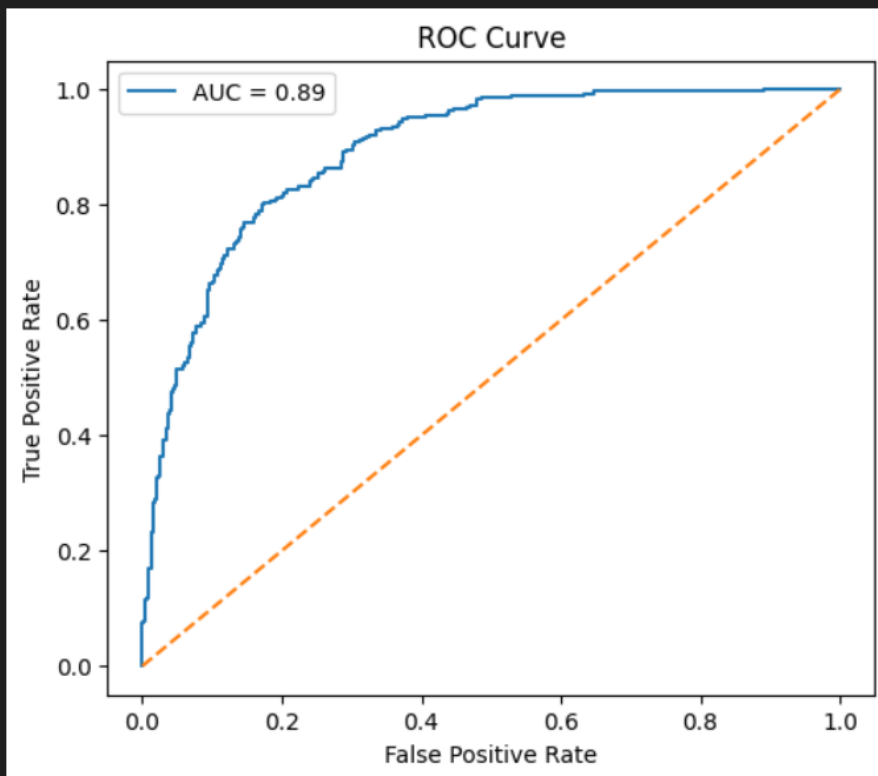
Kamalesh N 24BAD054

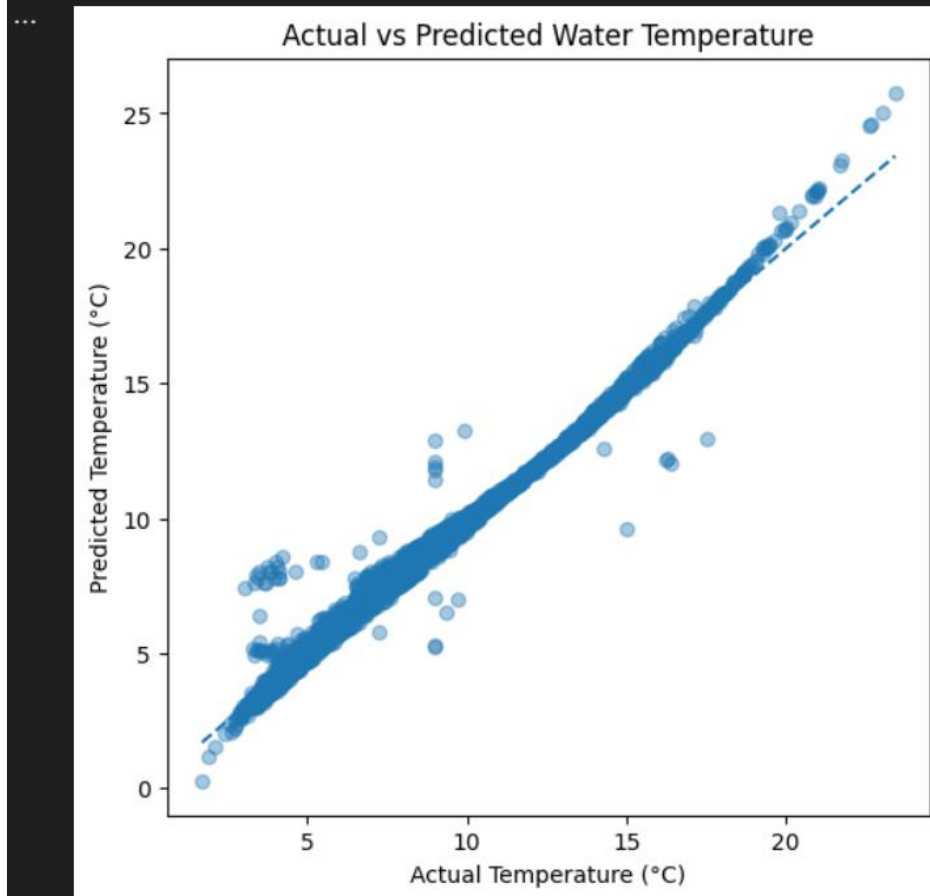## OUTPUT

```
N.KAMALESH , 24BAD054
Accuracy : 0.6132971506105834
Precision: 1.0
Recall   : 0.030612244897959183
F1 Score : 0.0594059405940594
```
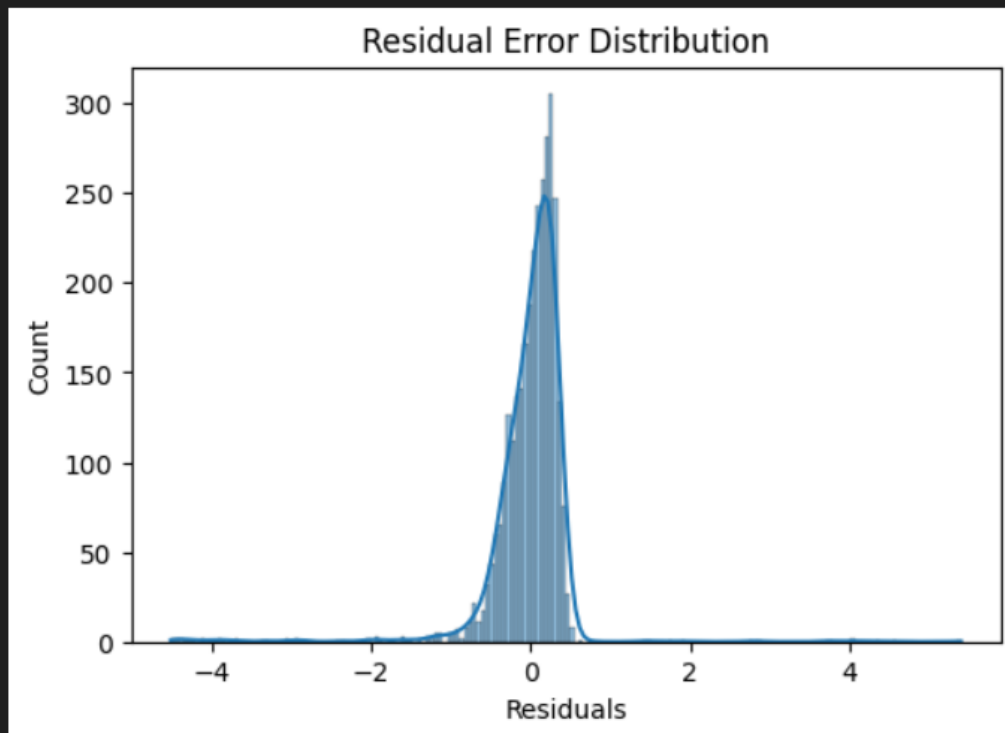

Confusion Matrix

ROC Curve

Feature Importance

Best Parameters: {'C': 10, 'penalty': 'l2', 'solver': 'liblinear'}
Optimized F1 Score: 0.4696969696969697

Actual vs Predicted Water Temperature

Residual Error Distribution

Ridge R² Score: 0.9852636699310828
Lasso R² Score: 0.983797357228616