

Responsible AI Audit Report

1. Dataset Assessment

Dataset Quality Score: 90/100

Verdict: PASS

Risk Level: Low Risk

Conclusion:

Dataset is suitable for ML usage.

Recommended Actions:

- Handle outliers using capping/removal/transformations.

2. Model Performance Assessment

Performance Verdict:

Model performance is strong.

Reason:

Predictions are reasonably reliable.

Action:

Model is suitable for controlled deployment.

Key Model Metrics:

- Accuracy: 1.0
- Precision: 1.0
- Recall: 1.0
- F1 Score: 1.0

3. Fairness & Bias Assessment

Fairness Verdict:

Fairness check inconclusive.

Reason:

Group selection rate difference could not be computed.

Action:

Ensure at least 2 sensitive groups exist.

Bias Summary (Sensitive Attribute vs Target)

- Highest bias disparity observed in group: 5.5
- Maximum disparity across target labels: 100.0
- Bias Risk: High

4. Final Audit Decision

Audit Result: AUDIT PASSED

Final Recommendation:

System appears deployable with continuous monitoring.