

TRACEFINDER – FORENSIC SCANNER IDENTIFICATION

Internship Project Documentation

Student Name: Vishnu Navghare

Domain: Artificial Intelligence / Image Forensics

Week 1: Dataset Collection & Analysis

Objective: Understand dataset structure and image properties.

Tasks: Dataset loading, image count, visualization, resolution and format analysis.

Observations: Resolution differences, scanner noise, brightness variations.

Conclusion: Dataset understanding completed successfully.

Week 2: Image Preprocessing

Objective: Prepare images for machine learning models.

Steps: Image resizing, grayscale conversion, noise reduction.

Results: Clean, standardized images ready for feature extraction.

Final Conclusion

The dataset is now fully prepared for feature extraction and model training.