

# AI FRAUD DETECTION ANALYSIS REPORT

## EXECUTIVE SUMMARY

|                |   |
|----------------|---|
| Report Date:   | 2025-10-15 10:21:14                               |
| File Analyzed: | seedream-4-high-res-fal_Create_a_realistic_b.jpeg |
| File Type:     | image   |
| File Size:     | 3.97 MB   |
| Analysis Type: | Image Analysis                                    |

## ANALYSIS RESULT

|                   |                |
|-------------------|----------------|
| Status:           | FRAUD DETECTED |
| Confidence Score: | 80.7%          |
| Risk Level:       | CRITICAL       |

## DETECTION TECHNIQUES APPLIED

- Error Level Analysis
- Metadata Analysis
- Copy-Move Detection
- Noise Analysis
- JPEG Compression Analysis
- Splicing Detection
- AI-Generated Detection
- Frequency Domain Analysis

## DETAILED FINDINGS

### *Finding #1: Error Level Analysis*

**Description:** Detected 1 regions with inconsistent compression levels. Max difference: 255.00

**Confidence:** 100.0%

**Status:** SUSPICIOUS

### ***Finding #2: Noise Pattern Analysis***

**Description:** Inconsistent noise patterns detected. STD: 13.12, Mean: 7.65

**Confidence:** 51.5%

**Status:** SUSPICIOUS

### ***Finding #3: Splicing Detection***

**Description:** Lighting inconsistencies detected (CV: 0.647)

**Confidence:** 64.7%

**Status:** SUSPICIOUS

### ***Finding #4: Frequency Domain Analysis***

**Description:** Abnormal frequency patterns detected (editing/splicing indicators)

**Confidence:** 60.0%

**Severity:** MEDIUM

**Status:** SUSPICIOUS

## METADATA ANOMALIES

**Type:** Missing Metadata

**Severity:** MEDIUM

**Description:** Missing 5 expected EXIF tags

**Type:** Invalid Metadata

**Severity:** HIGH

**Description:** EXIF data is corrupted or invalid

## RECOMMENDATIONS

- IMMEDIATE ACTION REQUIRED: The analyzed document shows signs of tampering or forgery.
- Do NOT use this document for official purposes until verified by a forensic expert.
- Preserve the original file and all metadata for potential legal proceedings.
- Contact the document issuer to obtain a verified authentic copy.
- Consider reporting this incident to relevant authorities if fraud is suspected.
- Review metadata anomalies listed above - they may indicate manipulation.

**--- End of Report ---**

This report was automatically generated by AI Fraud Detection Agent v1.0  
For questions or concerns, please contact your security administrator.