



Photo #1

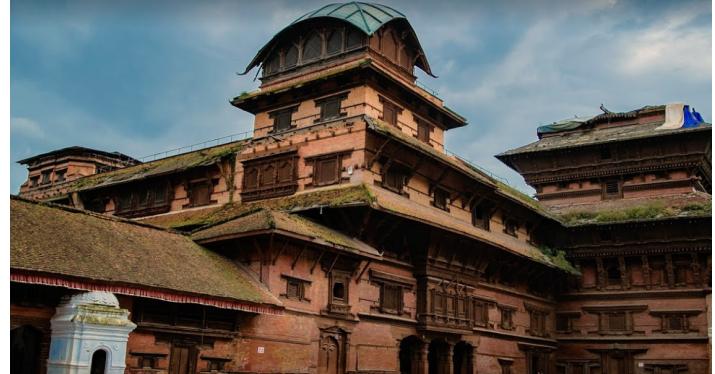


Photo #2

```
ExifTool Version Number : 12.76
File Name   : uploaded_1.JPG
Directory  :
File Size   : 3.6 MB
File Modification Date/Time : 2021:11:26 11:35:07-05:00
File Access Date/Time  : 2024:07:28 17:55:22-04:00
File Inode Change Date/Time : 2024:07:28 17:55:22-04:00
File Permissions : -rw-rw-r--
File Type    : JPEG
File Type Extension : jpg
MIME Type   : image/jpeg
Exif Byte Order : Little-endian (Intel, II)
Compression  : JPEG (old-style)
Make        : Canon
Camera Model Name : Canon EOS 550D
Orientation  : Rotate 90 CW
X Resolution: 72
Y Resolution: 72
Resolution Unit: inches
Modify Date  : 2021:11:02 13:20:23
YCbCr Positioning: Co-sited
Exposure Time : 1/1000
F Number     : 18.0
Exposure Program : Manual
ISO          : 100
Exif Version : 0221
Date/Time Original : 2021:11:02 13:20:23
Create Date  : 2021:11:02 13:20:23
Components Configuration : Y, Cb, Cr, -
Shutter Speed Value : 1/1024
Aperture Value  : 18.2
Flash         : Off, Did not fire
Focal Length  : 55.0 mm
Macro Mode    : Normal
Self Timer   : Off
Quality       : Fine
Canon Flash Mode: Off
Continuous Drive: Single
Focus Mode    : One-shot AF
Record Mode   : JPEG
Canon Image Size : Large
Easy Mode    : Manual
Digital Zoom  : None
Image Quality: Normal
Saturation    : Normal
Metering Mode : Evaluative
Focus Range   : Not Known
Canon Exposure Mode: Manual
Lens Type    : Canon EF-S 55-250mm f/4-5.6 IS
Max Focal Length : 250 mm
```

### ExifTool Analysis of Photo #1

# Digital Forensics Analysis Report

## 1. Image Metadata Extraction

- **GPS Location:**
  - **Coordinates:** 32°40'3.87" S, 279°29'31.87" W
  - **Interpreted Location:** These coordinates seem incorrect as the longitude exceeds the standard range (-180° to 180°). Correcting for this, it converts to 80°30'28.13" E.
- **Camera Model:**
  - **Model:** Canon EOS 550D
- **Date and Time of Picture Taken:**
  - **Timestamp:** 2021:11:02 13:20:23
- **Comment Text:** relying on altered metadata to catch me?

## 2. Location Analysis

- **GPS Coordinates Interpretation:**
  - **Corrected Coordinates:**
    - Latitude: 32°40'3.87" S
    - Longitude: 80°30'28.13" E
  - **Location Description:** The corrected location would place the coordinates somewhere in the Indian Ocean, which is unusual for typical activities. This discrepancy suggests potential tampering with the metadata.
- **Reverse Image Search Result (Second Image):**
  - **Possible Location:** Kathmandu

## 3. Forensic Observations

- **Metadata Tampering:**
  - The comment in the metadata ("relying on altered metadata to catch me?") directly suggests that the metadata has been intentionally altered. This aligns with the unrealistic GPS coordinates provided.
- **Image Context:**

- Using reverse image search, the second photo points to Kathmandu, which may be a legitimate clue. The criminal might be attempting to mislead investigators by altering metadata.

#### **4. Conclusion**

The forensic analysis indicates significant tampering with the image metadata, specifically the GPS coordinates. The comment left in the metadata hints at deliberate manipulation to mislead. Despite this, the reverse image search suggests a connection to Kathmandu, providing a potential lead for further investigation.