

MetaSniff: Image + Document Metadata Extractor

MetaSniff is a Python-based tool designed for ethical metadata extraction from both image and document files. It supports extracting EXIF data from images (.jpg, .jpeg, .png), as well as metadata from documents like PDFs and Word files (.pdf, .docx).

Features:

- Extracts EXIF metadata from images (camera model, GPS, date, etc.)
- Extracts metadata from PDF files (title, author, creation date, etc.)
- Extracts metadata from Word documents (title, subject, creator, etc.)

How to Use:

1. Install required libraries using ``pip install -r requirements.txt``
2. Run the Python script in your IDE or Google Colab
3. Upload your image or document files to extract metadata
4. Outputs readable, structured metadata or a message if none is found

Educational Use Cases:

- Digital Forensics
- Cybersecurity Awareness

- Metadata Redaction/Compliance Training

Project Files:

- `metasniff.py` - core script for both image and document metadata extraction
- `requirements.txt` - list of dependencies
- `README.md` - project documentation
- `MetaSniff_Project_Report.pdf` - this project report

Disclaimer:

This tool is intended for educational and ethical purposes only. Use it on files you own or have explicit permission to analyze.

Created by: Omii

Language: Python

Environment: Works on VS Code and Google Colab