

Steganography-Based Secure Data Transfer – Hiding Data Inside Images Using Encryption

The **Steganography-Based Secure Data Transfer** project enables **concealing sensitive data inside images** using **encryption techniques** to prevent interception.

The system uses **LSB (Least Significant Bit) Steganography and AES encryption** to embed encrypted text files or messages into images without altering visual quality. The encrypted images can be shared over networks without detection.

Developed using **Python with OpenCV and PyCryptodome**, this project provides **a covert communication method for secure data transmission**.