Generated Flashcards

Flashcard 1:

Q: What problem does this project address?

A: Securely hiding and retrieving confidential messages within images, addressing the vulnerability

of traditional encryption methods.

Flashcard 2:

Q: What is the primary method used for hiding data within images?

A: Steganography.

Flashcard 3:

Q: What encryption method is used to secure the messages?

A: AES encryption using Fernet.

Flashcard 4:

Q: What is used for password hashing?

A: SHA-256.

Flashcard 5:

Q: What framework is used for the user interface?

A: Streamlit.

Flashcard 6:

Q: Name three "wow factors" of this project.

A: Password-protected encryption, image-based steganography, and a user-friendly interface.

Flashcard 7:

Q: Who are the intended end-users of this project?

A: Individuals, businesses, cybersecurity experts, journalists, activists, and educational purposes.

Flashcard 8:

Q: What is the primary programming language used in this project?

A: Python.

Flashcard 9:

Q: Name three Python libraries used in this project.

A: OpenCV, NumPy, and Cryptography (Fernet).

Flashcard 10:

Q: What are some future scope enhancements suggested for this project?

A: Support for multiple file types, steganalysis detection, AI-based optimization, blockchain integration, and mobile app development.