

Python Image Steganography

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ABSTRACT

Steganography generally refers to encoding and decoding messages text-based data into non-text files such as audio files, image and video files. In this project, it will only encode and decode data into images only.

Image steganography is a GUI-based project in which that it will hiding a secret message within the image using encoding and decoding functions. We are creating a window in which there are two buttons: encoding and decoding. For encoding, select any image, this image will be converted into png format. Type message in the message box then it will convert into base64, merge this encoded string into image and the user can save the image where he/she wants. For decoding, select the image which is encoded, the base64 string will get separated by decoding, and by Tkinter module hidden text is shown in the textbox.

In this Python project, is build a GUI-based Image Steganography using the Tkinter and PIL modules. It will be able to do spycraft with covert messaging using images and apply the concepts discussed in this project in real life.

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