<!DOCTYPE html>

<html>

<head>

<title></title>

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<h1>Develop an image processing GUI in python</h1>

<p>Image processing is the process of manipulating digital images using a computer. It is used to improve or correct image quality, change its appearance, and extract useful information from it. There are many different types of image processing algorithms, and they can be divided into two main categories: geometric transforms and filters.&nbsp;</p>

<p>Geometric transforms change the shape or position of an image element, while filters modify its color or intensity. Some common geometric transformations include scaling (making an image larger or smaller), rotating, flipping, and shearing. Filters can be either convolutional (based on matrix operations) or non-convolutional (based on pixel values). Common filters include brightness adjustment, contrast adjustment, saturation adjustment, sharpening/blurring ,and edge detection.</p>

<p>Most modern programming languages provide libraries for easily implementing these algorithms. In Python , the NumPy library provides efficient implementations of both geometric transforms and filters . The SciPy library also provides many useful functions for image processing , including support for reading and writing various file formats . Together , NumPyand SciPy make Python a powerful tool for image processing applications.</p>

<p style="text-align: center;">AKS5</p>

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