**PyQt5 Photo Editor**

This is a simple yet powerful photo editor application built using PyQt5 and OpenCV. The application allows users to adjust the brightness, apply a blur filter, and sharpen images. The project demonstrates how to create a graphical user interface (GUI) for image processing tasks using PyQt5, along with integrating OpenCV for real-time image manipulation.

**Features**

* **Brightness Adjustment:** Users can increase or decrease the brightness of an image using a vertical slider.
* **Blur Filter:** Users can apply a blur filter to an image with adjustable intensity using a vertical slider.
* **Sharpen Filter:** Users can sharpen an image using a vertical slider.

**Implementation Details -**

**Brightness Adjustment**

* Utilizes the changeBrightness function to adjust the brightness of the image.
* Converts the image to the HSV color space and modifies the V (value) channel.
* Re-converts the image back to the BGR color space for display.

**Blur Filter**

* Utilizes the changeBlur function to apply a blur effect to the image.
* Uses OpenCV's cv2.blur function with an adjustable kernel size.

**Sharpen Filter**

* Utilizes the changeSharpness function to sharpen the image.
* Applies a custom kernel to enhance the edges and details in the image.