Re:Draw
OpenCV

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01 **Introduction**

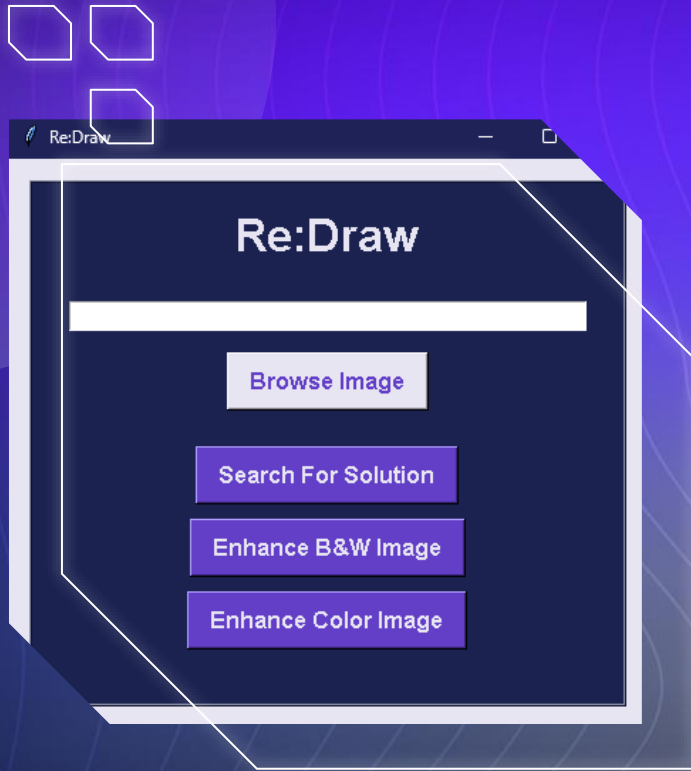**02** **Enhance Image**

03 **Extract Text**

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Introduction

Re:Draw is an OpenCV project based to convert handwritten notes or questions into text. It enhances low-quality images, removes noise, and making it easier for students and educators to digitize and organize material.

GUI

The app includes a clean GUI built with Tkinter.
The interface is responsive and includes real-time feedback and file previews.
To run the app, open CMD and run the "main.py" file

Extract Text

This function allows the user to extract written text from an image of a question or similar. The user selects an image file, and the system processes it using OCR. The extracted text is then directly searched on google to make it easy to find the solution. The extracted text has enough similar keywords so the user can find the exact question online.

can you convert the followin
But-1-ene to 1-iodobutane
Benzene to acetophenone
Ethanol to propanenitrile

Extracted Text

How can you convert the following
y fi But1ene to Liodobutane woe Gi
Benzene to acetophenone ii
Ethanol to propanenitrile

Enhance Image

This function improves the quality of an image based on the user's choice of enhancement method. After processing, the enhanced image is saved, and the file is opened for the user to review. This tool is ideal for improving image clarity and quality, making it easier to read or analyze.

Enhance Image (B&W)

Before

Before processing

After

After processing

Enhance Image (Color)

Before

Before processing

After

After processing

Applications Of Re:Draw

Enhance Image

Can be used to improve quality of notes, diagrams and images.

Extract Text

May be used to easily extract text from questions in order to find solutions online.

Thank You

I appreciate your time, attention and I hope Re:Draw inspires better ways to digitize and enhance digital content.