

Re:Draw OpenCV

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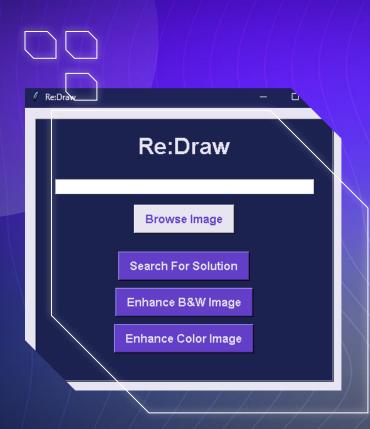
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Introduction

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.

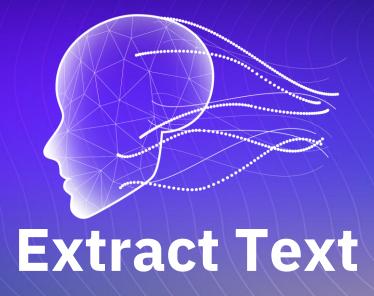


GUI

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



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 following 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



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)

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nesday	CT Rohit_D	Chem Mamta_R	ADM_XII_AB	Maths Rohit_D	ENG Bharti_S	Chem Mamta_R	Lib,Logic Milind_Kr,KA MA	C Sc.,Ph Ed Preeti_K,SA NJ	1
day	Maths Rohit_D		C Sc.,Ph Ed Preeti_K,SA NJ	LAB	Phy LAB,Chem LAB Suvendu_G, Mamta_R	Chem Mamta_R	Phy Suvendu_G	Maths Rohit_D	_HPE
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Time: 11:57:50

Before

Before processing

After

After processing

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lay	C Sc.,Ph Ed Preeti_K,SA NJ	Phy Suvendu_G	_HPE_ABC	Maths Rohit_D	Maths Rohit_D	Phy LAB Chem LAB Suveridu G, Mamta R	Phy LAB Chem LAB Suvendu G, Mamta R	ENG Bharti_S	EN Bhar
day	ENG Bharti_S	Maths Rohit_D	Phy Suvendu_G	Chem. Mamta_R.	Chem Mamta_R	C Sc.,Ph Ed Preeti_K SA NJ	C.Sc.,Ph Ed Preeti_K.SA NJ	Phy Suvendu_G	Mat Rohi
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day	Maths Rohit_D	C Sc. Ph Ed Preet K SA	C Sc Ph Ed Preet, K,SA NJ	Phy LAB Chem LAB Suvendu_G, Mamta R	Phy LAB,Chem LAB Suvendu_G Mamta R	Chem Mamta_R	Phy Suvendu_G	Maths Rohit_D	_HPE
-	CT Rohit_D	Phy Suvendu G	Phy. Suvendu_G	Chem Mamta_R	ENG Bharti_S	Maths Rohit_D	GST Sunetra_B	ENG Bharti_S	C Sc.

Time: 11:57:50

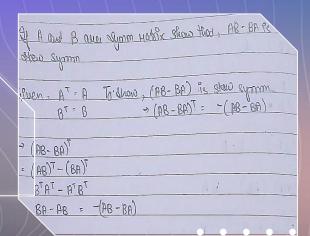
Enhance Image (Color)

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.

