

## MINI PROJECT II

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# iDCipher ( Text/Image Translator )

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## Topics to be Covered :

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- Problem Statement
- Solution
- Requirements
- Technologies
- Screenshots

# Problem Statement

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When we go some other countries or if we read any article of other's countries , then we aren't able to understand their language that creates problems in communicating with the others or aren't able to read or understand the language .

## Solution

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In order to solve the above problem , language converter have been made .

Using these translator, we can translate the language of others countries and also can learn the language of other countries .

# Requirements

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## Hardware Requirements

Minimum Ram : 4GB

Processor & core : Intel core i3 (6<sup>th</sup> Gen)

## Software Requirements:

Spyder

Anaconda Navigator

Python

TKinter

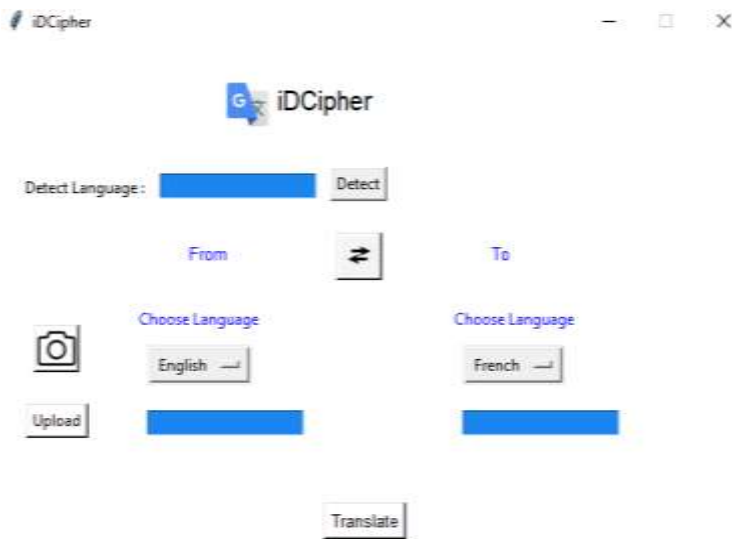
# Technologies

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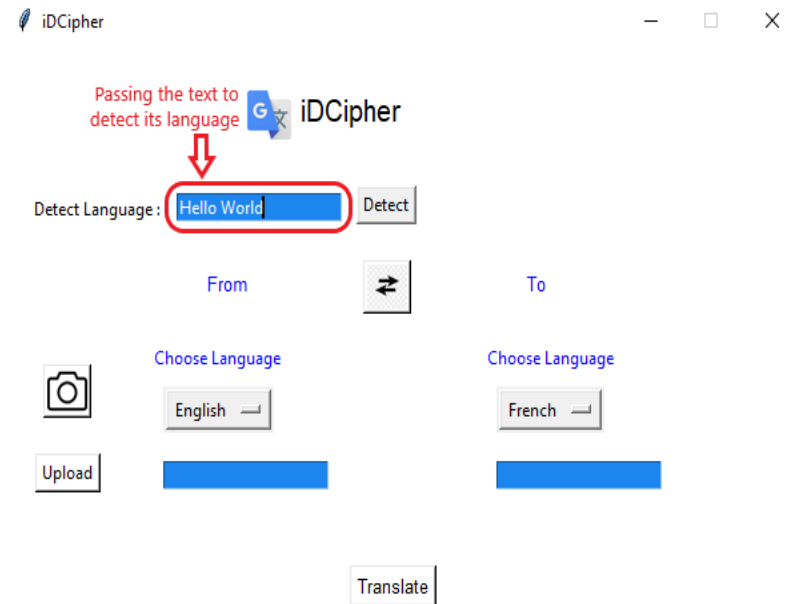
- Google Translate API
- Tesseract –ocr API
- Google Language Detect API
- Speech Detection

# Screenshots

Main page:

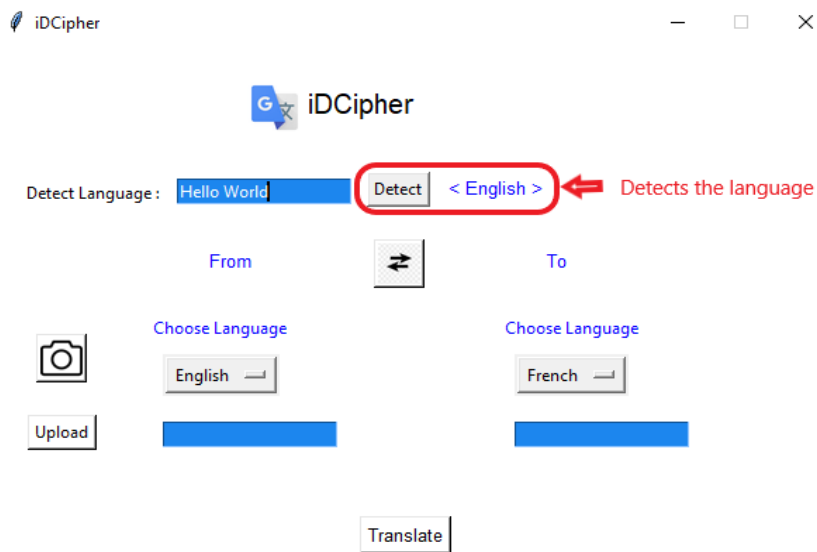


Passing the text:

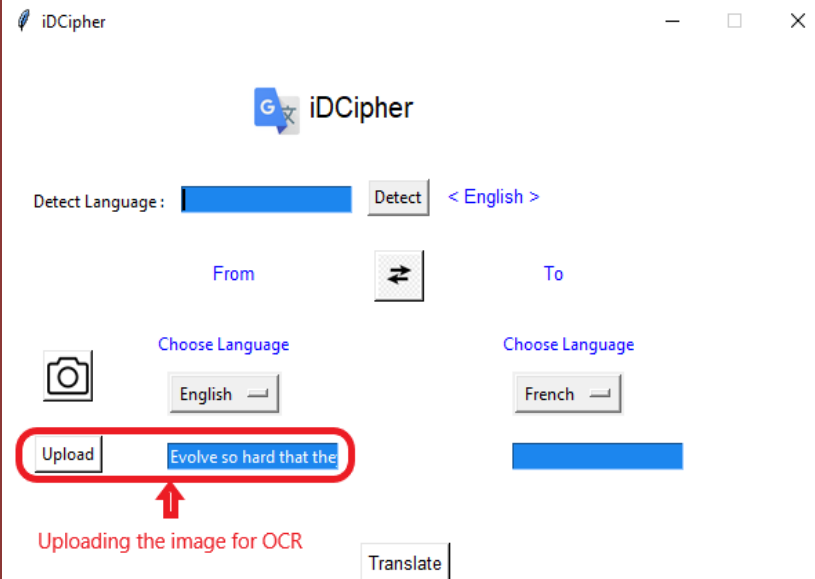


# Screenshots

Detecting the language:



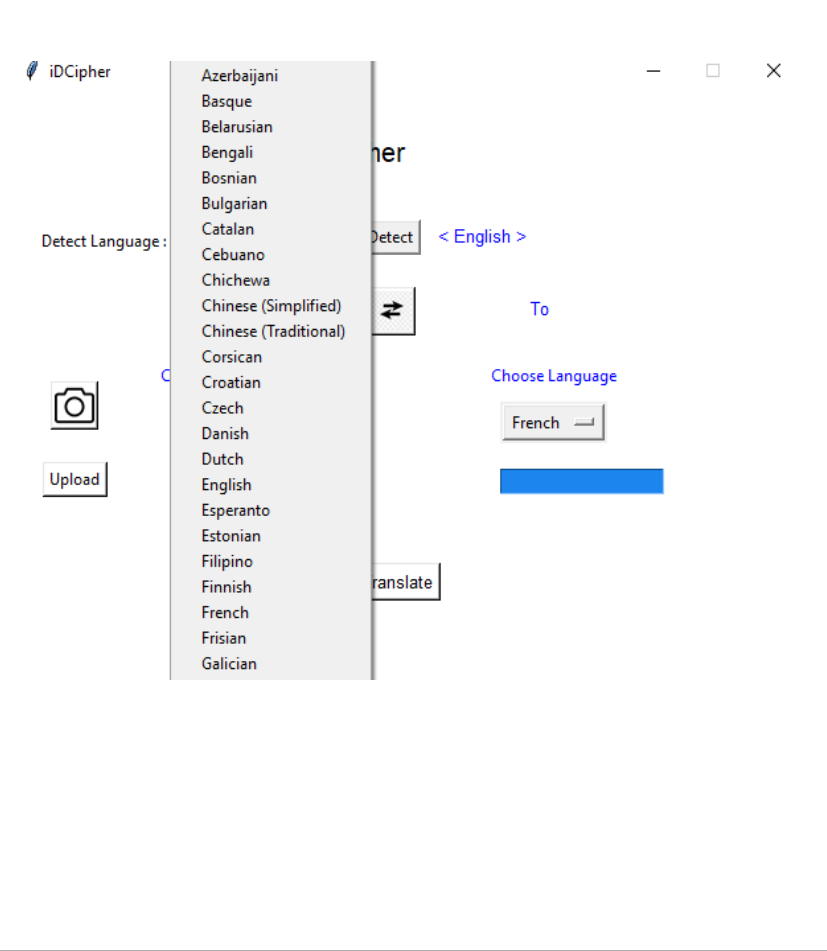
Uploading image:



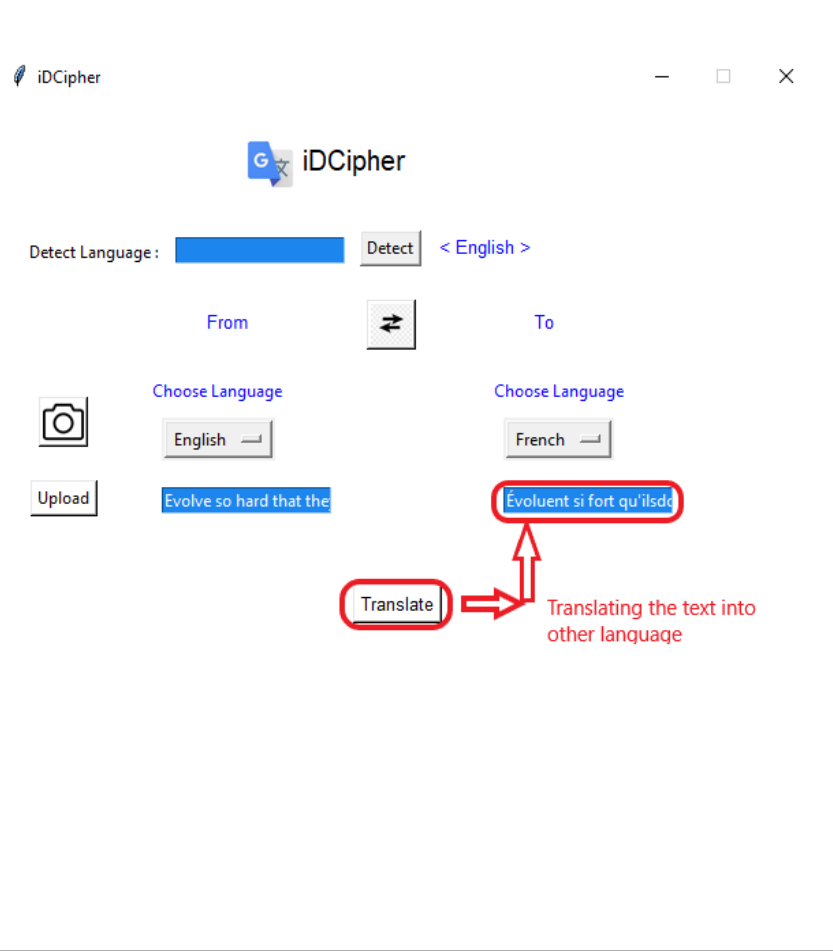


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Selecting language:



Translating text:



# Screenshots

Text translated :

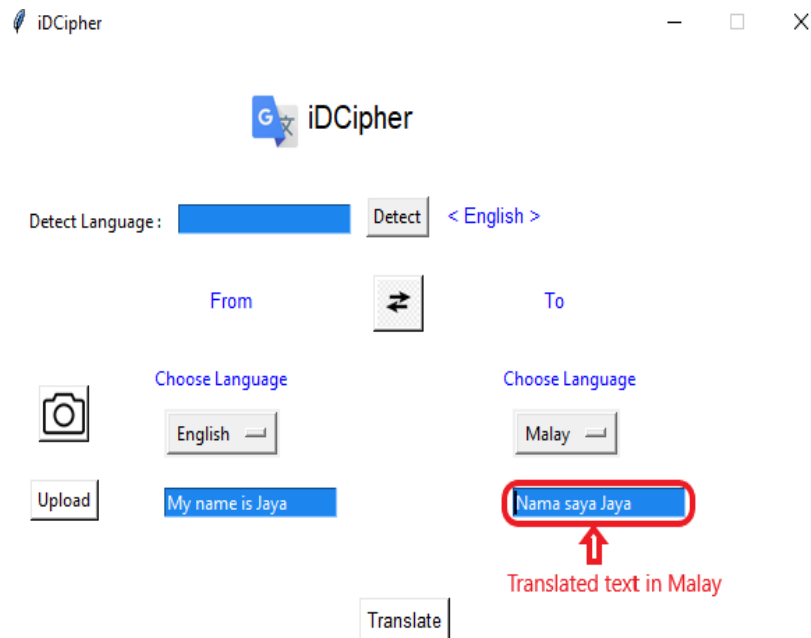


Passing text instead of ocr :

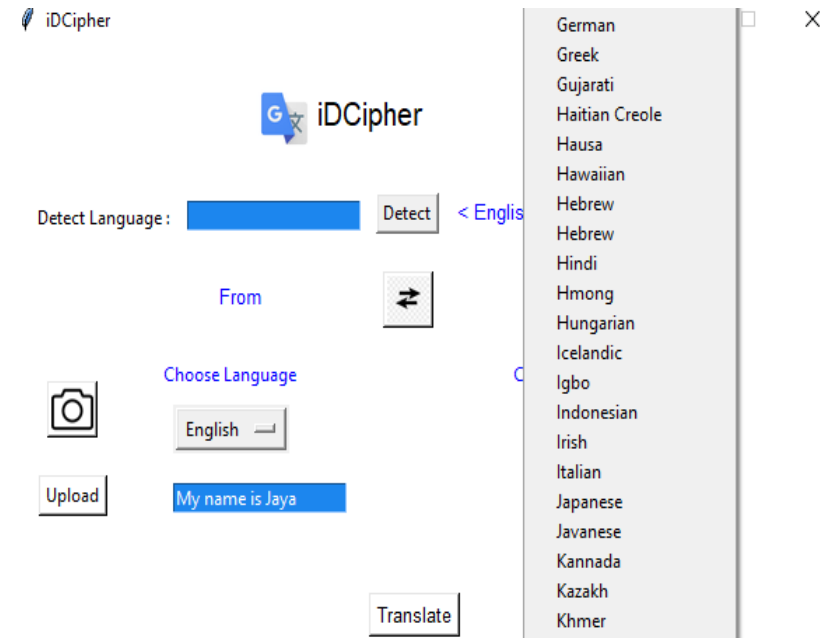


# Screenshots

Translated text :



Choosing language :




# Screenshots

Translating the sentence :

The screenshot shows the iDCipher web application interface. At the top, there is a red header with the text "iDCipher". Below the header, the main content area has a title "iDCipher" with a Google Translate icon. The interface includes a "Detect Language" section with a blue input field, a "Detect" button, and a dropdown menu showing "< English >". Below this is a "From" and "To" section with a double-headed arrow icon. The "From" section has a "Choose Language" dropdown menu set to "German" and a text input field containing "Wie war dein Tag". The "To" section has a "Choose Language" dropdown menu set to "English" and a text input field containing "How was your day". A red rounded rectangle highlights the "From" and "To" sections. Below the rectangle is a "Translate" button with a red arrow pointing up to it. On the left side, there is a camera icon and an "Upload" button.

iDCipher

Detect Language :  Detect < English >

From  To

Choose Language Choose Language

German English

Wie war dein Tag How was your day

Upload

Translate

THANK YOU

