Question: You are given an image of a word as input. The image can be rotated in any angle between 0 and 359 degrees.
The task is to develop a solution where given an image of any rotated word as input, the output is the angle of rotation necessary to make the image upright such that the word is readable.

Here is an example illustration to show the expectation from the solution.

Example 1
(Input)

------> Your Solution ------> krghd"#0G'E,g1Y

Example 2

------> Your Solution ------> u[:-n]pk

Once the text rotation model is ready, it should be served as a rest API.

API Requirements:
The model should be packaged into an API such that when a request is hit as shown:

curl --location --request POST 'https://localhost:16969/image-rotation' --header 'Content-Type: application/json' --data-raw '{ “url” : “<link_to_image>” }’

Expected response is:

```
{
        “rotationAngle”:<angle_by_which_image_needs_to_be_rotated>
}
```

The API can be written in any web framework of your choice. The api needs to be deployed as a docker.

Final output:

1. A single docker container, having all the code and on running the docker it should serve the API.
2. A document describing the approach used to solve the problem, and code documentation and docker run command.

The assignment will be judged based on the

1. Structure, design, and modularity in the project
2. Accuracy of Model
3. Speed of API
4. Functionality completion of the API

Please use the dataset provided below as per your requirements.
Use the images in the test folder to check the accuracy of your solution.

Link to dataset:
https://drive.google.com/file/d/1HoI3AbOIBAGAbCMviiE9o8BHatuQzJfI/view?usp=sharing

All the best.