

PYTHON IMAGE LIBRARY(PIL) FOR IMAGE lib name = PIL

```
In [3]: msd_img = Image.open(r'C:\Users\DELL\Desktop\dhoni.jpg')  
msd_img
```

Out[3]:



To Remove the background of the image we use python library rembg

```
In [9]: pip install rembg
```

Requirement already satisfied: rembg in f:\anaconda3\lib\site-packages (2.0.56)
Requirement already satisfied: jsonschema in f:\anaconda3\lib\site-packages (from rembg) (4.19.2)
Requirement already satisfied: numpy in f:\anaconda3\lib\site-packages (from rembg) (1.26.4)
Requirement already satisfied: onnxruntime in f:\anaconda3\lib\site-packages (from rembg) (1.17.3)
Requirement already satisfied: opencv-python-headless in f:\anaconda3\lib\site-packages (from rembg) (4.9.0.80)
Requirement already satisfied: pillow in f:\anaconda3\lib\site-packages (from rembg) (10.2.0)
Requirement already satisfied: pooch in f:\anaconda3\lib\site-packages (from rembg) (1.8.1)
Requirement already satisfied: pymatting in f:\anaconda3\lib\site-packages (from rembg) (1.1.12)
Requirement already satisfied: scikit-image in f:\anaconda3\lib\site-packages (from rembg) (0.22.0)
Requirement already satisfied: scipy in f:\anaconda3\lib\site-packages (from rembg) (1.11.4)
Requirement already satisfied: tqdm in f:\anaconda3\lib\site-packages (from rembg) (4.65.0)
Requirement already satisfied: attrs>=22.2.0 in f:\anaconda3\lib\site-packages (from jsonschema->rembg) (23.1.0)
Requirement already satisfied: jsonschema-specifications>=2023.03.6 in f:\anaconda3\lib\site-packages (from jsonschema->rembg) (2023.7.1)
Requirement already satisfied: referencing>=0.28.4 in f:\anaconda3\lib\site-packages (from jsonschema->rembg) (0.30.2)
Requirement already satisfied: rpds-py>=0.7.1 in f:\anaconda3\lib\site-packages (from jsonschema->rembg) (0.10.6)
Requirement already satisfied: coloredlogs in f:\anaconda3\lib\site-packages (from onnxruntime->rembg) (15.0.1)
Requirement already satisfied: flatbuffers in f:\anaconda3\lib\site-packages (from onnxruntime->rembg) (24.3.25)
Requirement already satisfied: packaging in f:\anaconda3\lib\site-packages (from onnxruntime->rembg) (23.2)
Requirement already satisfied: protobuf in f:\anaconda3\lib\site-packages (from onnxruntime->rembg) (3.20.3)
Requirement already satisfied: sympy in f:\anaconda3\lib\site-packages (from onnxruntime->rembg) (1.12)
Requirement already satisfied: platformdirs>=2.5.0 in f:\anaconda3\lib\site-packages (from pooch->rembg) (3.10.0)
Requirement already satisfied: requests>=2.19.0 in f:\anaconda3\lib\site-packages (from pooch->rembg) (2.31.0)
Requirement already satisfied: numba!=0.49.0 in f:\anaconda3\lib\site-packages (from pymatting->rembg) (0.59.0)
Requirement already satisfied: networkx>=2.8 in f:\anaconda3\lib\site-packages (from scikit-image->rembg) (3.1)
Requirement already satisfied: imageio>=2.27 in f:\anaconda3\lib\site-packages (from scikit-image->rembg) (2.33.1)
Requirement already satisfied: tifffile>=2022.8.12 in f:\anaconda3\lib\site-packages (from scikit-image->rembg) (2023.4.12)
Requirement already satisfied: lazy_loader>=0.3 in f:\anaconda3\lib\site-packages (from scikit-image->rembg) (0.3)
Requirement already satisfied: colorama in f:\anaconda3\lib\site-packages (from tqdm->rembg) (0.4.6)
Requirement already satisfied: llvmlite<0.43,>=0.42.0dev0 in f:\anaconda3\lib\site-p

ackages (from numba!=0.49.0->pymatting->rembg) (0.42.0)
 Requirement already satisfied: charset-normalizer<4,>=2 in f:\anaconda3\lib\site-packages (from requests>=2.19.0->pooch->rembg) (2.0.4)
 Requirement already satisfied: idna<4,>=2.5 in f:\anaconda3\lib\site-packages (from requests>=2.19.0->pooch->rembg) (3.4)
 Requirement already satisfied: urllib3<3,>=1.21.1 in f:\anaconda3\lib\site-packages (from requests>=2.19.0->pooch->rembg) (2.0.7)
 Requirement already satisfied: certifi>=2017.4.17 in f:\anaconda3\lib\site-packages (from requests>=2.19.0->pooch->rembg) (2024.2.2)
 Requirement already satisfied: humanfriendly>=9.1 in f:\anaconda3\lib\site-packages (from coloredlogs->onnxruntime->rembg) (10.0)
 Requirement already satisfied: mpmath>=0.19 in f:\anaconda3\lib\site-packages (from sympy->onnxruntime->rembg) (1.3.0)
 Requirement already satisfied: pyreadline3 in f:\anaconda3\lib\site-packages (from humanfriendly>=9.1->coloredlogs->onnxruntime->rembg) (3.4.1)
 Note: you may need to restart the kernel to use updated packages.

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In [4]: from rembg import remove
        from PIL import Image
```

```
In [2]: in_path = r'C:\Users\DELL\Desktop\dhoni.jpg'
        out_path = r'C:\Users\DELL\Desktop\dhonibg.png'# output should not be jpg format th
        #open the input image
        inp = Image.open(in_path)
        #process the image
        out = remove(inp)
        #save the output image
        out.save(out_path)
        #open and display the image
        Image.open(r'C:\Users\DELL\Desktop\dhonibg.png')#for output locate with differename
```

Out[2]:



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