In [1]:

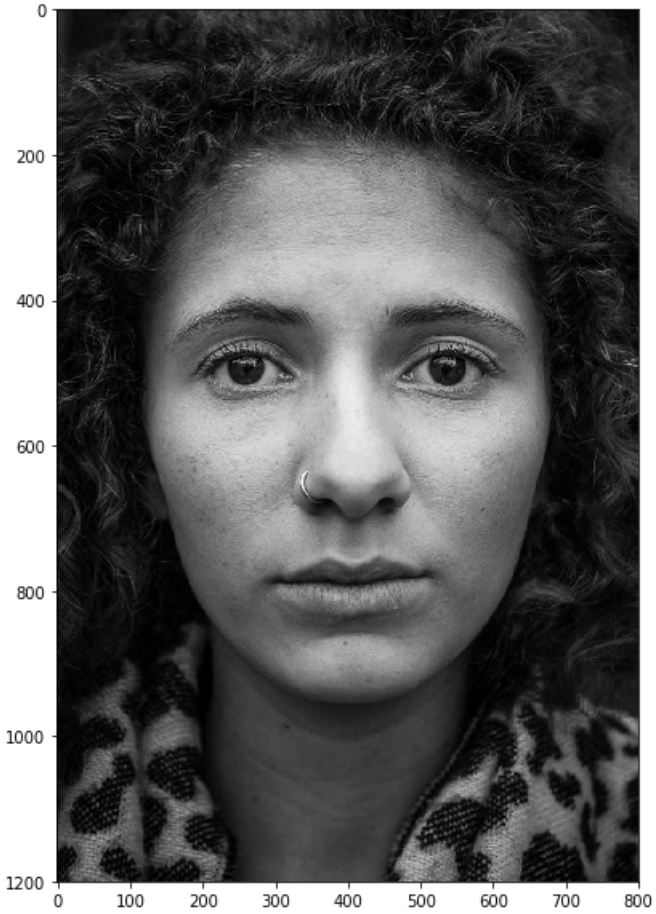
```
from helper.project_1.functions import *
```

1. Getting image

In [2]:

```
#asking for image path
img = get_image()
```

```
Enter the image path:images/project_1/input/ayu.jpg
width of the image: 800  pixels
height of the image: 1200  pixels
```



2. Adaptive step

2.1 DISPLAYING THRESHOLD IMAGES: Getting various results of adaptive filters

1. Run the below code to get multiple results

In [3]:

```
show_mul_adap(img)
```

2.2 Choose the filter size of your choice from Above image Titles

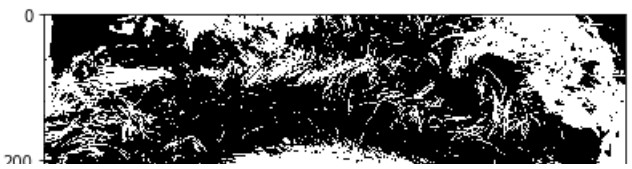
Enter interger values :

> ## NOTE: ODD NUMBER ONLY

In [4]:

```
#based on the above choose adaptive filter size
img_processed = perform_adap(img)
```

```
Enter enter filter size(should be odd number):801
```



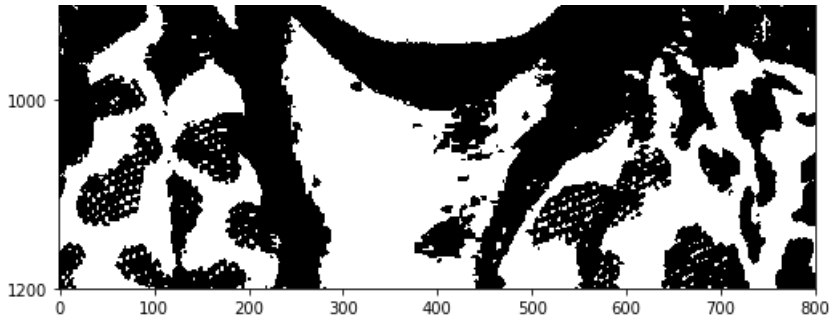
3. MORPH CLOSE step

3.1 DISPLAYING DIALATION IMAGES: Getting various results of iterations

In [5]:

```
img_processed =  perform_morf_close(img_processed)
```

```
Enter the morph structuring element Press 1. RECT 2. ELLIPSE 3. CROSS(Integer input): 2
Enter Dimenstion of the structuring element 3 -> (3,3) 5 -> (5,5):(ODD INTERGER ONLY):3
```



4. CREATING WEAVE IMAGE

4.1 Enter Warf and Weft Colors

- Examples

```
- WARF (r,g,b) format: eg.100 100 255:0 112 145<br>
 WEFT (r,g,b) format: eg.100 100 255:0 0 255
```

> **Note: Enter value between 0-255**

In [6]:

```
show_create_weave(img_processed)
```

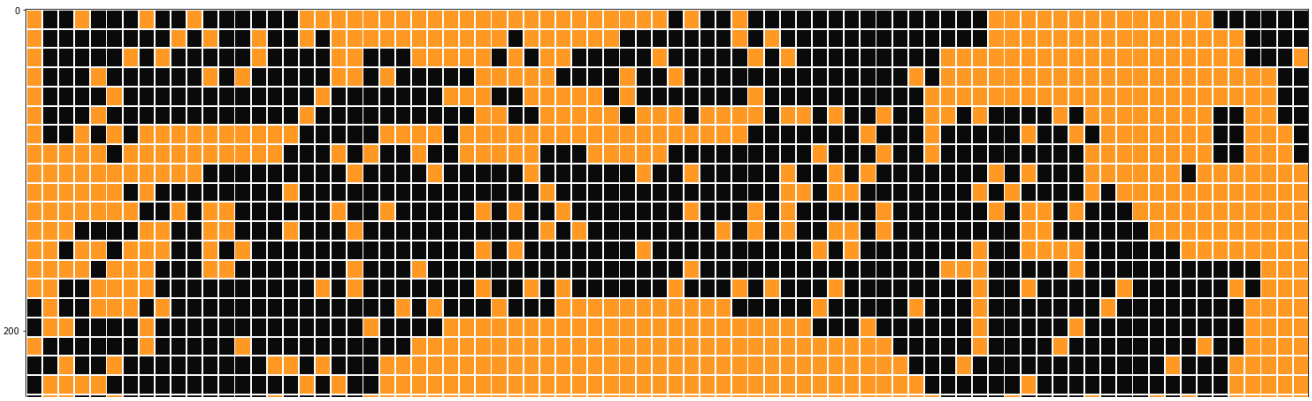
```
WARF (r,g,b) format: eg.100 100 255:34 153 255
WEFT (r,g,b) format: eg.100 100 255:10 10 10
Enter Weft width(integer):10
Enter Warf width(integer):8
number of warf:80 and weft:150:
```

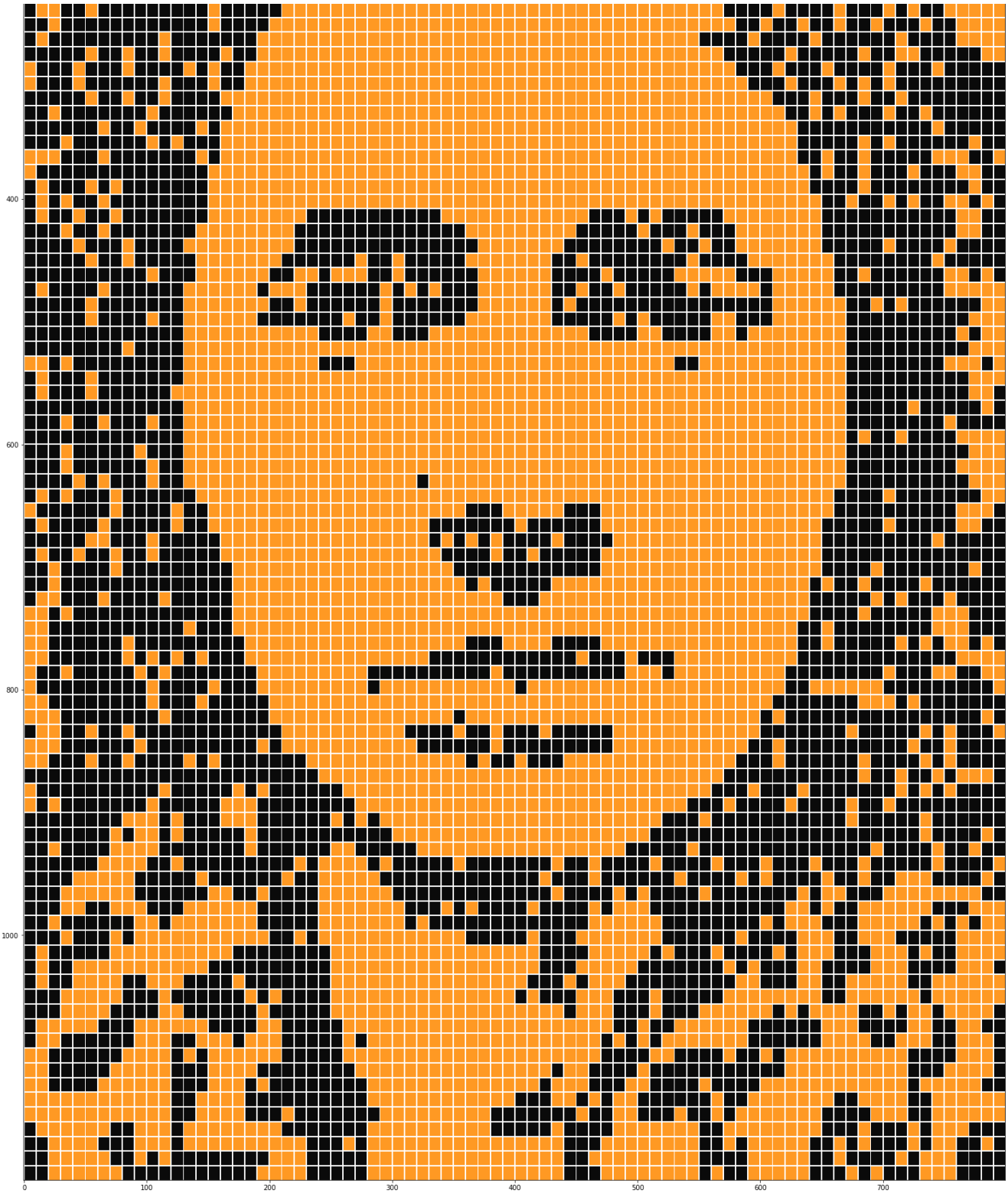
Perform Weave and Save image

In [7]:

```
perform_create_weave(img_processed)
```

```
WARF (r,g,b) format: eg.100 100 255:35 153 255
WEFT (r,g,b) format: eg.100 100 255:10 10 10
Enter Weft width(integer):12
Enter Warf width(integer):10
number of warf:66 and weft:120:
Enter thresh(integer) [0 -255]:130
Write the image name you want to save it as(example: weave_1)weave1
```




400
600
800
1000
0
100
200
300
400
500
600
700