**Different Image Processing Libraries** –

GIL Boost, Clmg, **Opencv**

The .NET Wrapper for the open cv (c & c++ framework) is emgu cv.

**How the whole process works –**

**Image**

Will be sent to the

**Character Recognition Algorithm(OpenCV)**

Will scan the image and get the

**Results**

By the help of the results, we can use them in a

**Software**

**There are many types of face recognition**

1. **Geometric Based/ Template Based** –

The template based methods are constructed using SVM(Support Vector Machines), PGA(Principal Component Analysis), LDA(Linear Discriminant Analysis), Kernel Methods

1. **Piecemeal/Wholistic**

**Binary Mask –**

This is something like an example for the system. In addition, the system will learn from this mask and try to match it with the same thing in the other images.

The left image is a normal image and the right side image is the binary mask, which is going to be used to match it with similar objects.

