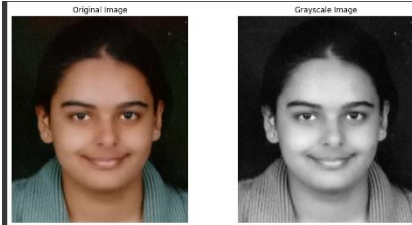


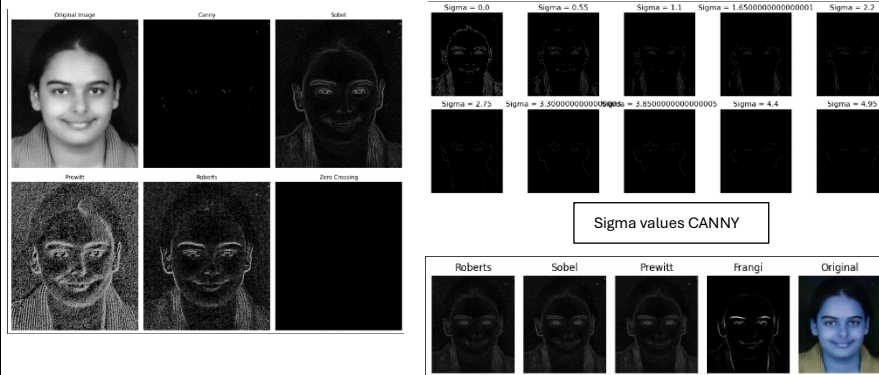
Upload and display the image:

The image was converted to gray scale to display and further usage.



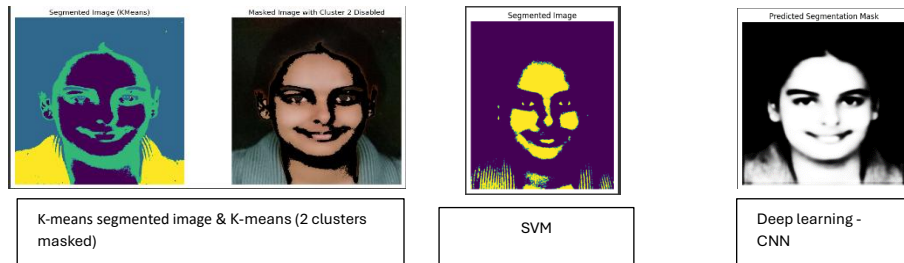
Edge detection on Gray scale image:

Roberts, Sobel, Prewitt, Frangi, Canny (with different sigma values) and Zero crossing were applied to identify edges. Zero crossing did not perform well on the given image.



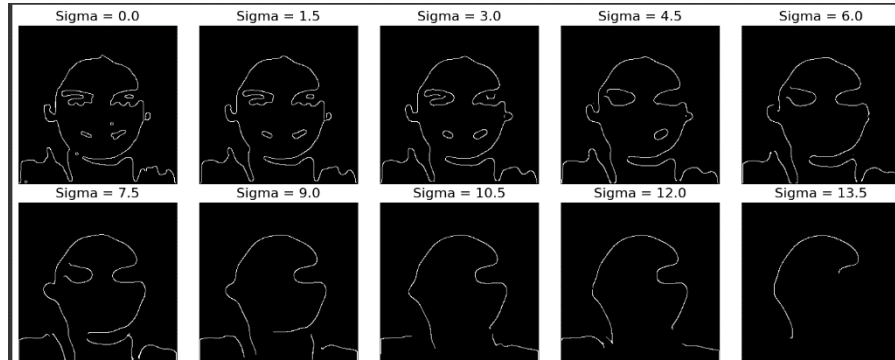
Segmentation:

K-means, SVM, CNN (Deep learning) were used for segmentation.



Edge detection on segmented image.

The image which we got because of deep learning technique was used. Canny method was used for edge detection and sigma=12 gave the best result.



Additional features:

Edges were made red, green, and blue in colour on the segmented image which we got from deep learning technique- CNN with sigma=12
And 'ITI' (signature) was superimposed on the original-coloured image.

