# COL783 Assignment 2 Report

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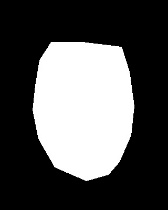
# Part : 1 Face Morphing



# Case : 2 Face Swapping

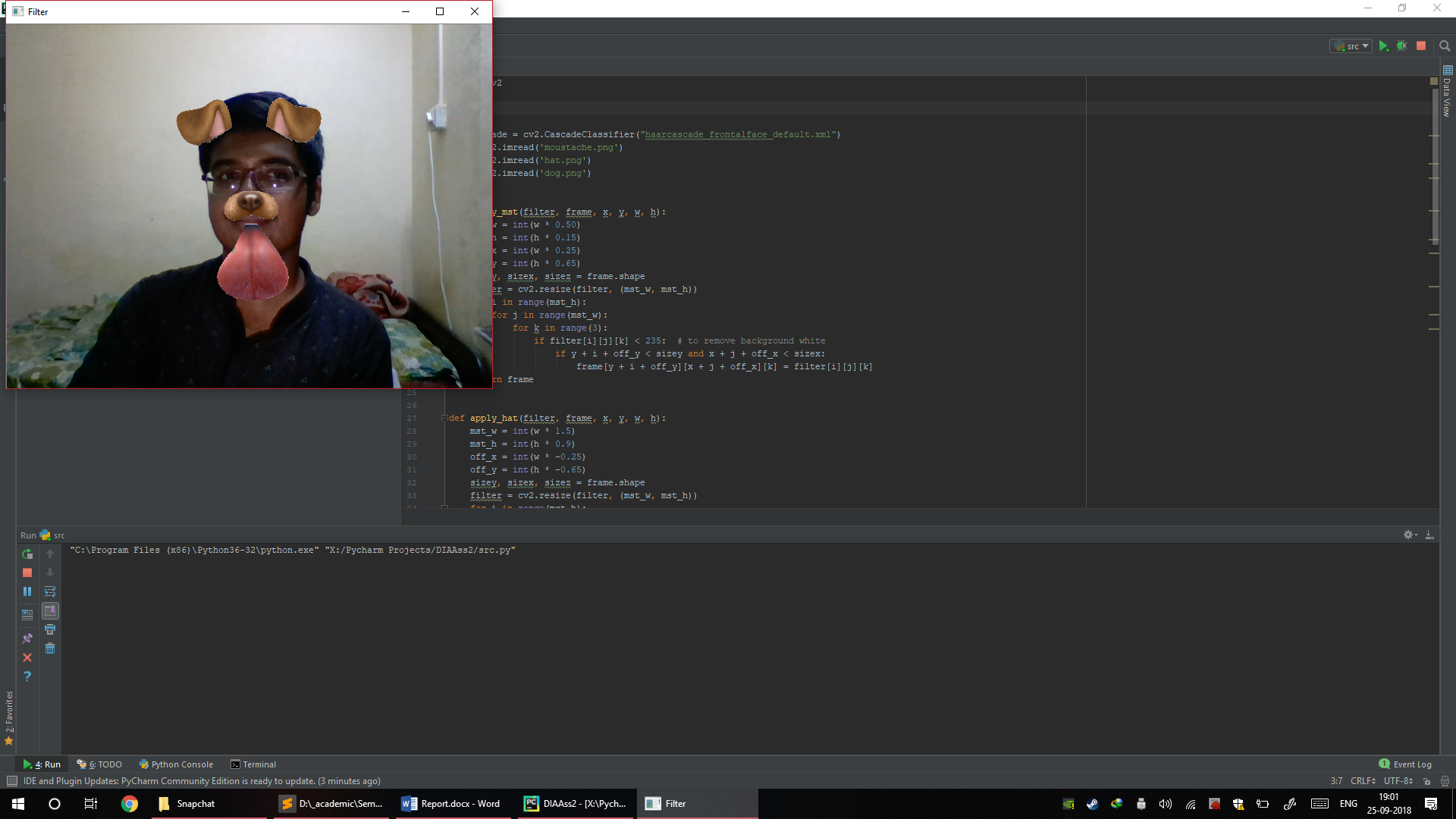
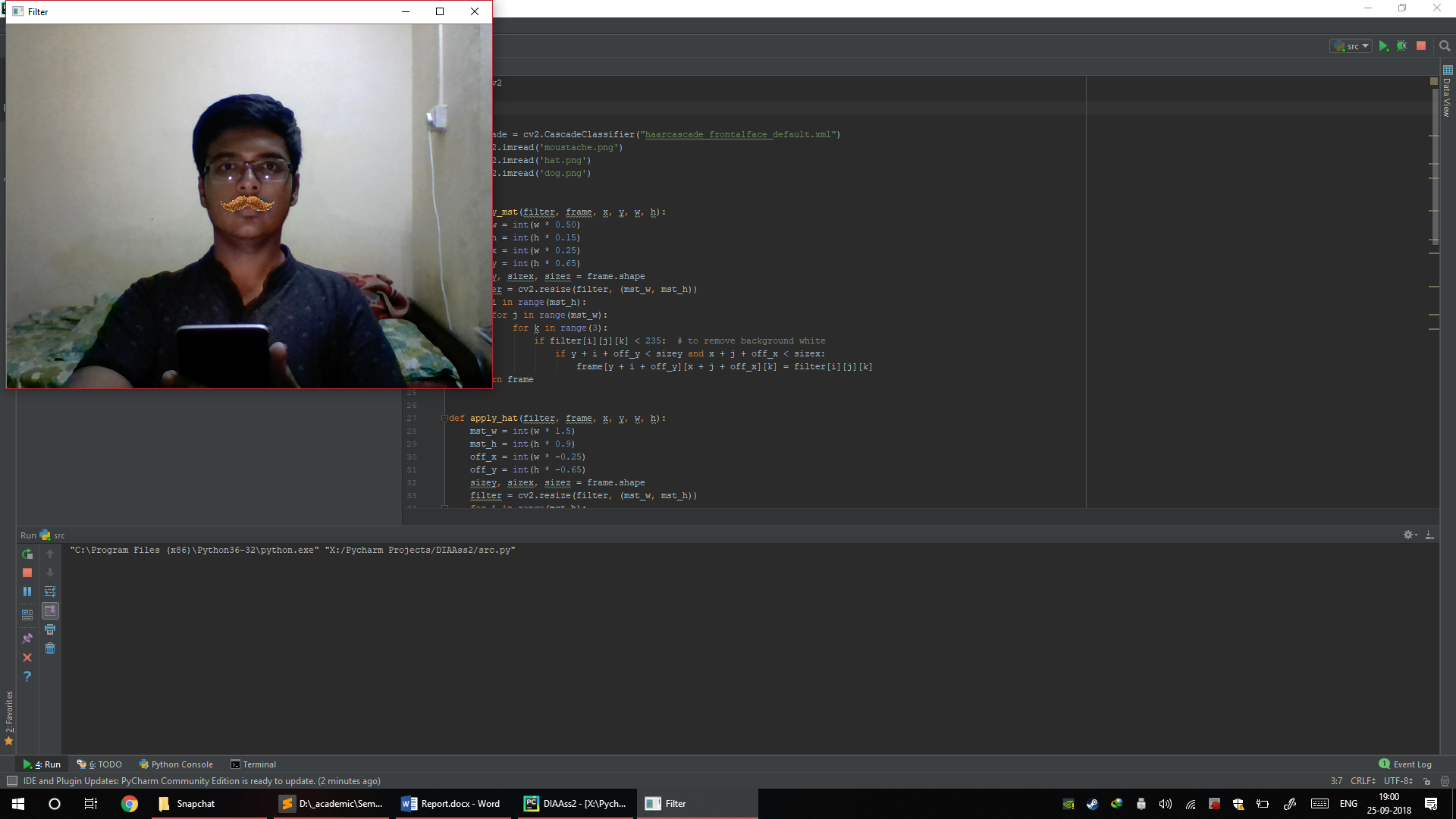
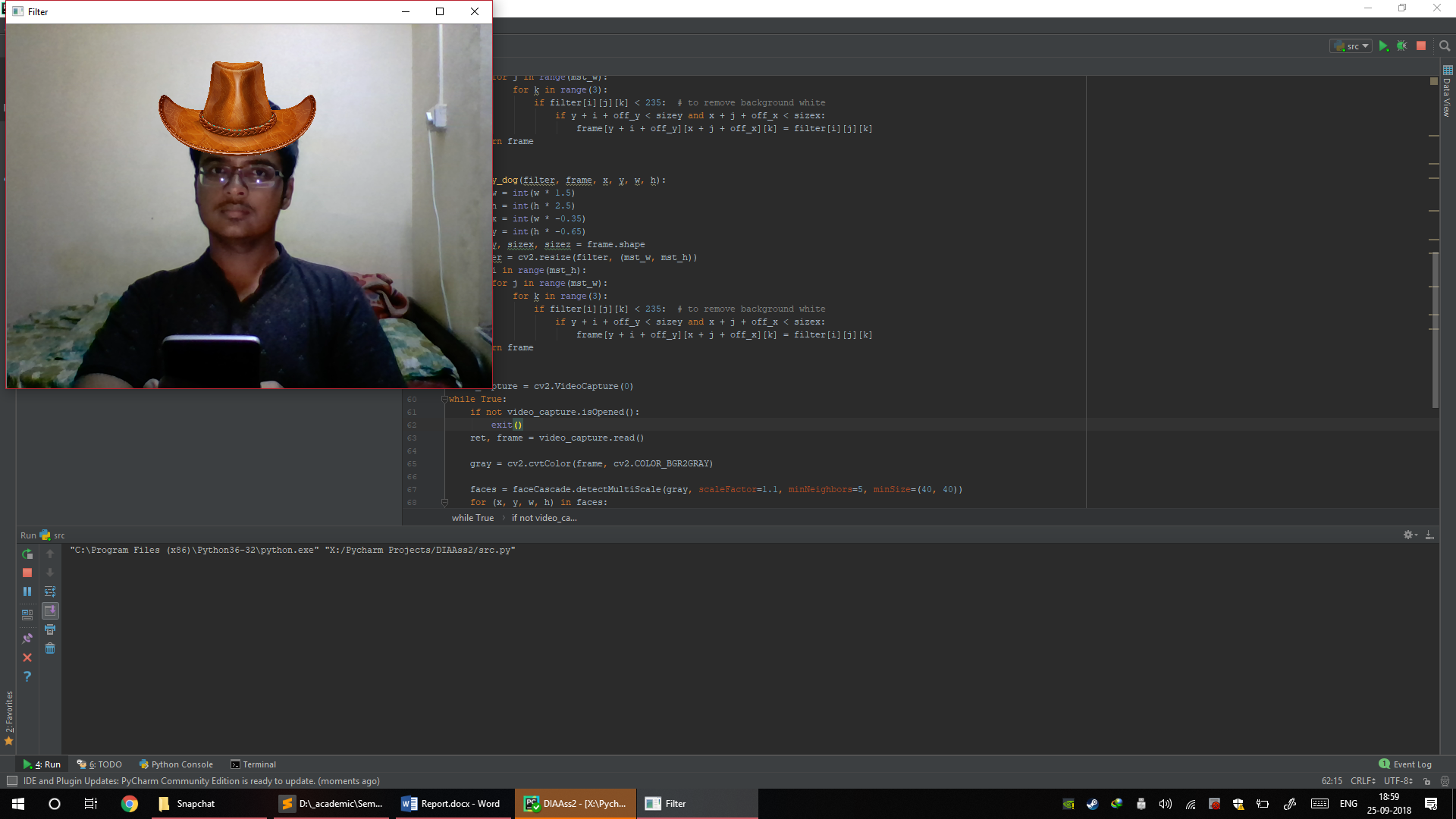
Point selection:

Mask used Input images Output Image



# Case : 3 Snapchat Filters

Used haarcascade face detection classifier to detect face position in the image. Then inserted the templates into the appropriate position on the face using suitable displacements.



# Points:

1. Affine transform of the entire image was not giving good results even after using RANSAC. So individual triangles were affine warped.

# Limitations

1. There was some false positive cases when using Haarcascade library and thus appearance of the images at random places is observed.