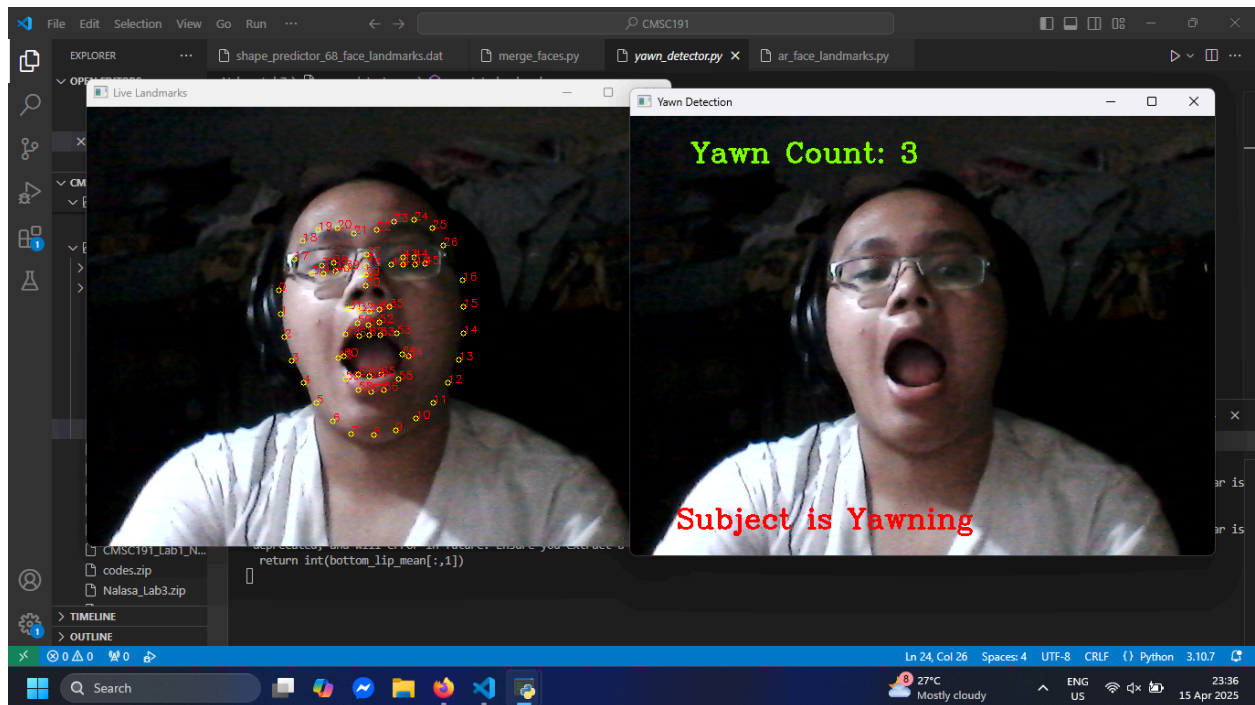I learned how to overlay images using array manipulation. The position of the images was important, and they needed to be fully in frame or else an error would occur since the array slices would not be the same size / cross with the outside of the camera's view. I was also able to extract facial landmarks to use as the baseline for applying images onto an original image. Trying to get the AR face detector to manipulate the smaller glasses / fedora correctly was interesting to figure out (but a detector for the top of a forehead would be a much better locator)
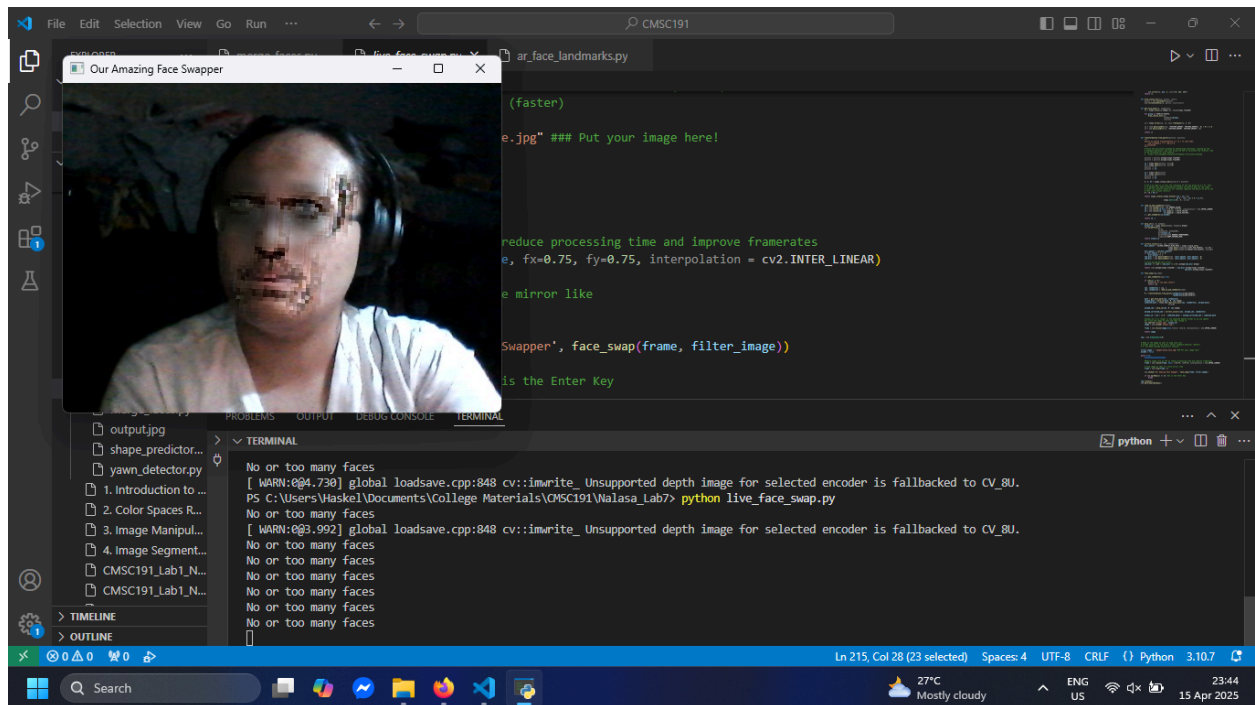
Yawn Detector

Face Merging Output

Live Face Swap

AR Landmark Detection