

CHAPTER -8

RESULTS AND TESTING

8.1 UNIT TESTING

Test File	Scenario	Expected Results	Actual Results	Result
Palm.py	Accept input image	Rectangular box drawn containing hand and green line along the hand boundary is drawn. Contour & Threshold window pop up with output image and Gesture is recognized.	Rectangular box drawn containing hand and green line along the hand boundary is drawn. Contour & Threshold window pop up with output image and Gesture recognized is displayed.	PASS
Fist.py	Accept input image	Rectangular box drawn containing hand and green line along the hand boundary is drawn. Contour & Threshold window pop up with output image and Gesture is recognized.	Rectangular box drawn containing hand and green line along the hand boundary is drawn. Contour & Threshold window pop up with output image and Gesture is recognized.	PASS
Ok.py	Accept input image	Rectangular box drawn containing hand and green line along the hand boundary is drawn. Contour & Threshold window pop up with output image and Gesture is recognized.	Rectangular box drawn containing hand and green line along the hand boundary is drawn. Contour & Threshold window pop up with output image and Gesture is recognized.	PASS
Point.py	Accept input image	Rectangular box drawn containing hand and green line along the hand boundary is drawn. Contour & Threshold window pop up with output image and Gesture is recognized.	Rectangular box drawn containing hand and green line along the hand boundary is drawn. Contour & Threshold window pop up with output image and Gesture is recognized.	PASS
Main.py	Accept input image	Capture video from webcam and preprocess each frame	Image is captured and preprocessed	PASS
Trex.py	Accept input image	Game starts when palm is open and T-rex jumps when palm is closed.	Game starts when palm is open and T-rex jumps when palm is closed.	PASS

8.2 RESULT

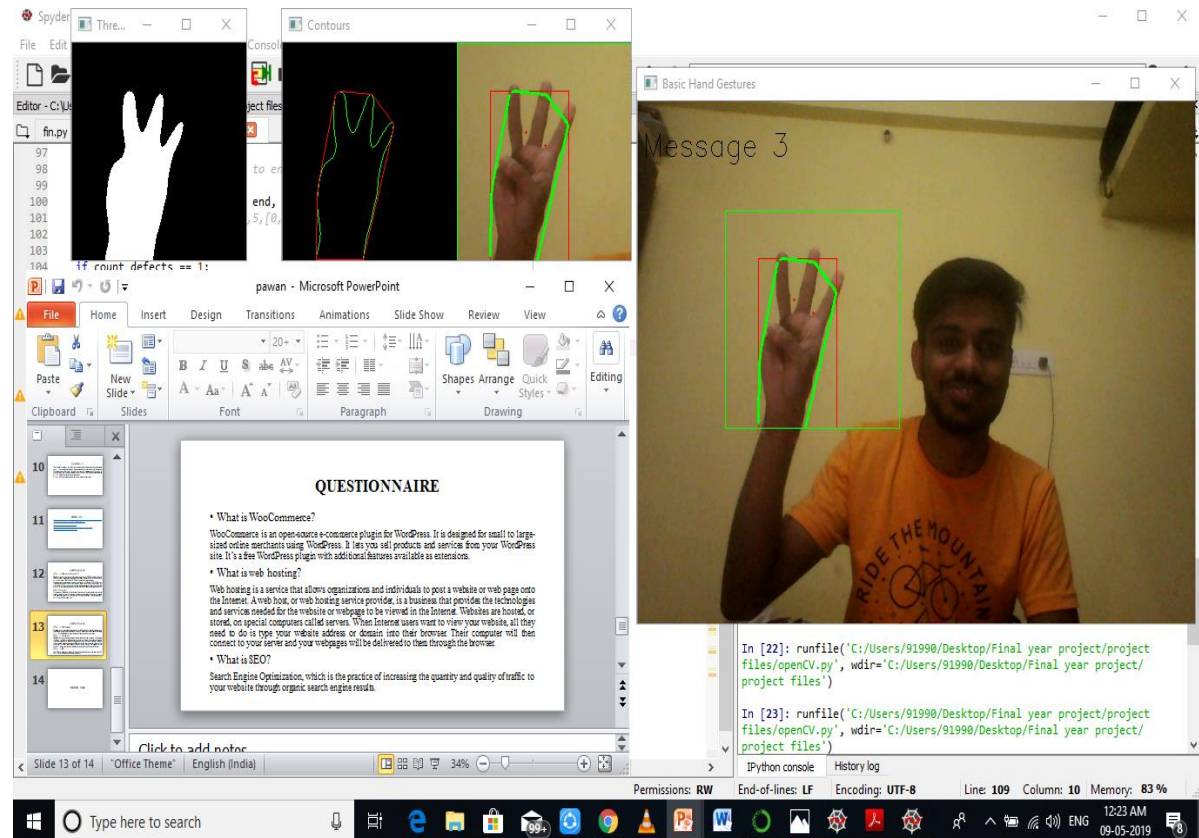


Figure 8.1: Previous Slide On Three Finger Gesture

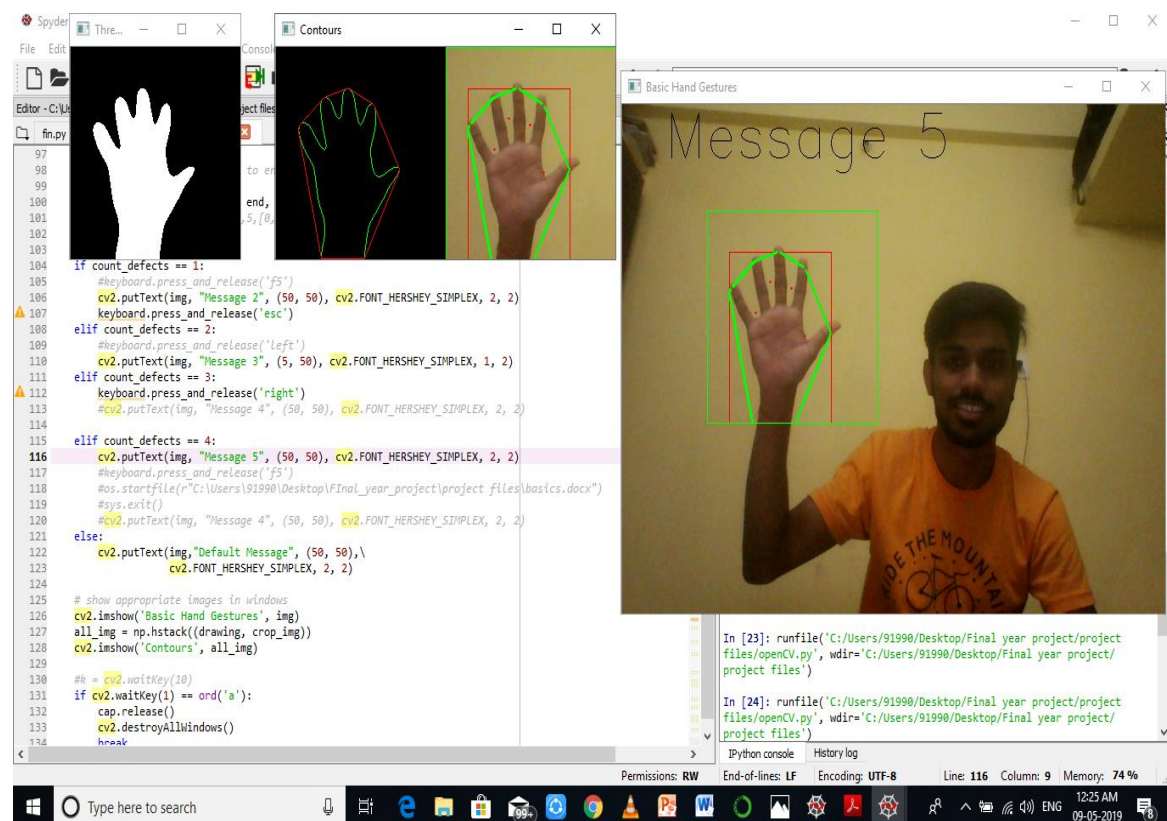


Figure 8.2: Start Slide Show On Five Finger Gesture

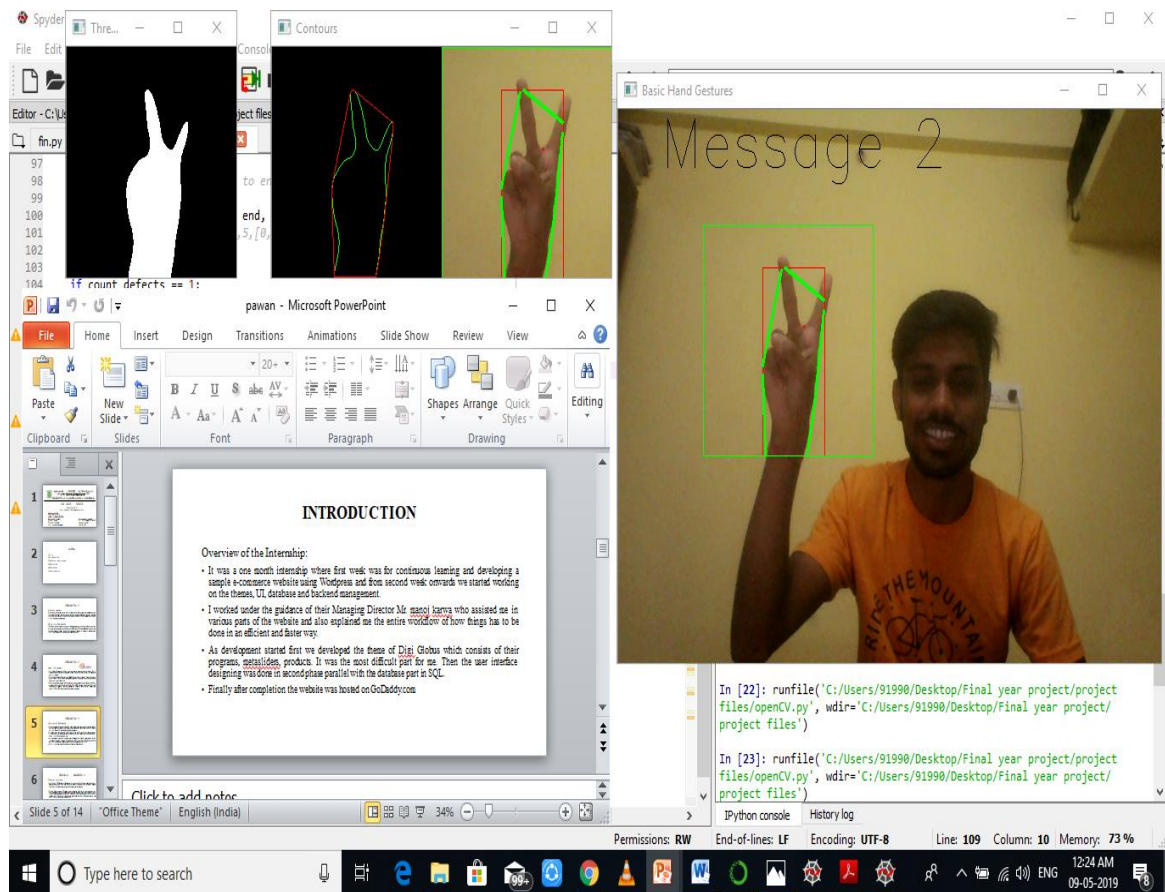


Figure 8.3: End Slide Show On Two Finger Gesture

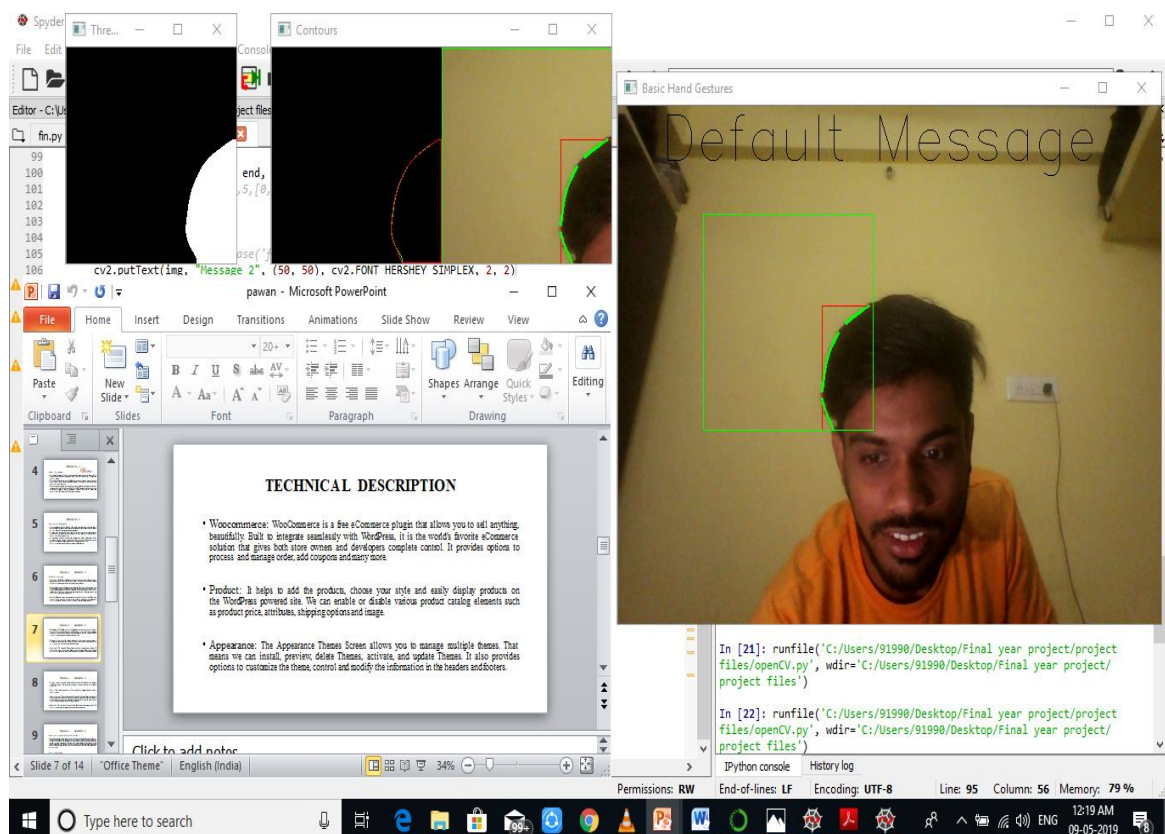


Figure 8.4: Next Slide On Four Finger Gesture

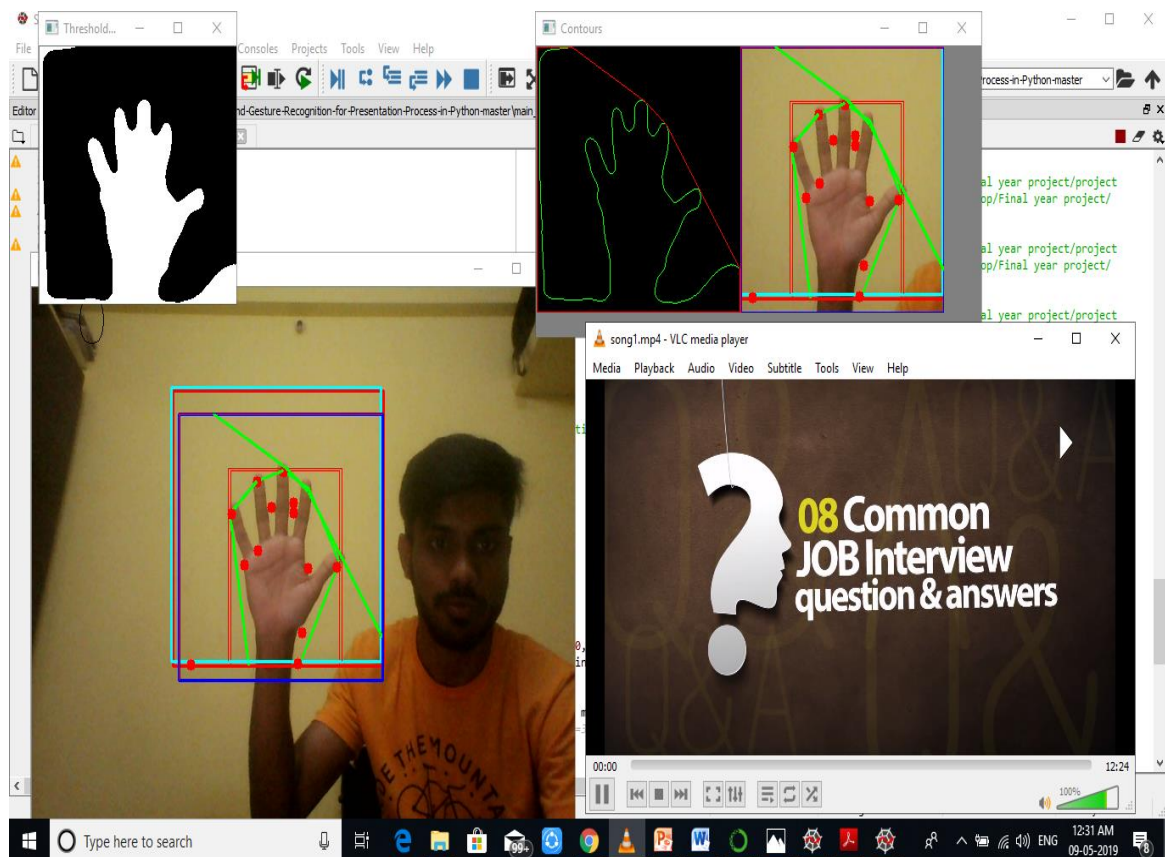


Figure 8.5: Start Video With Palm Gesture

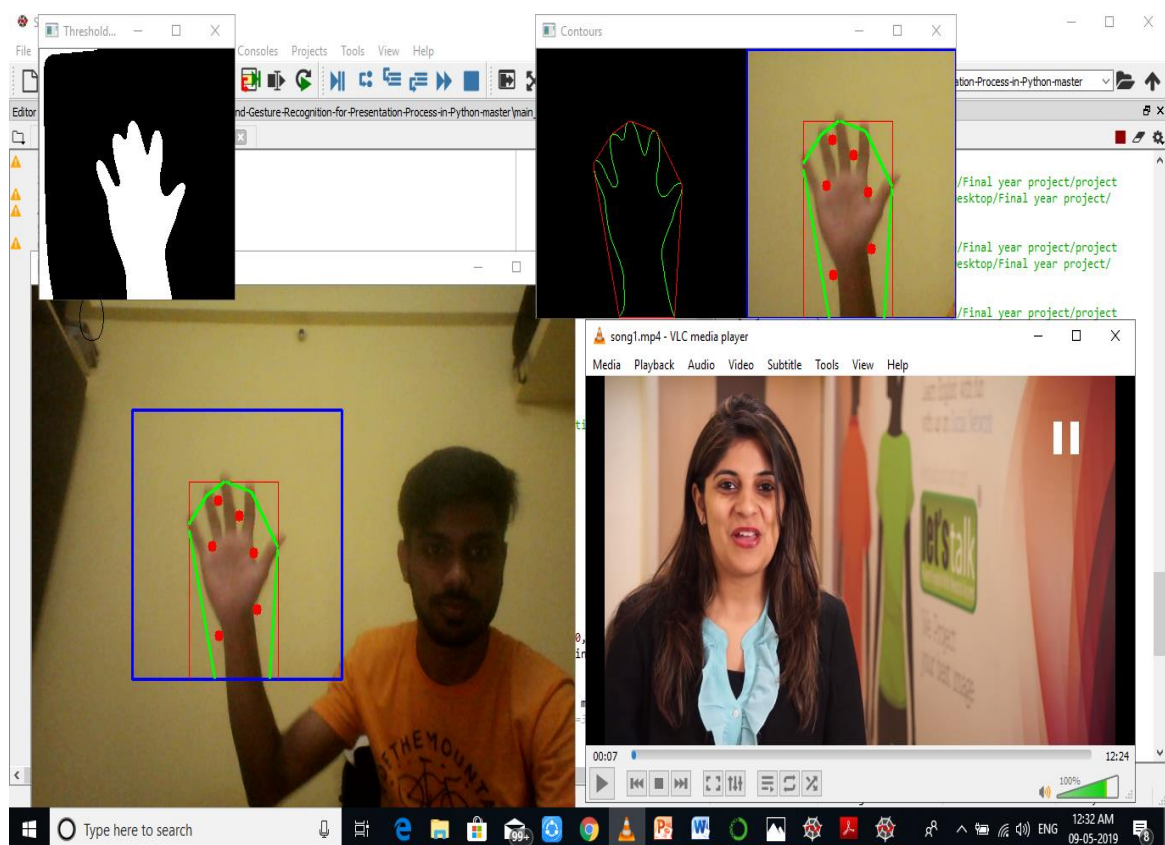


Figure 8.6: Stop Video With Palm Gesture

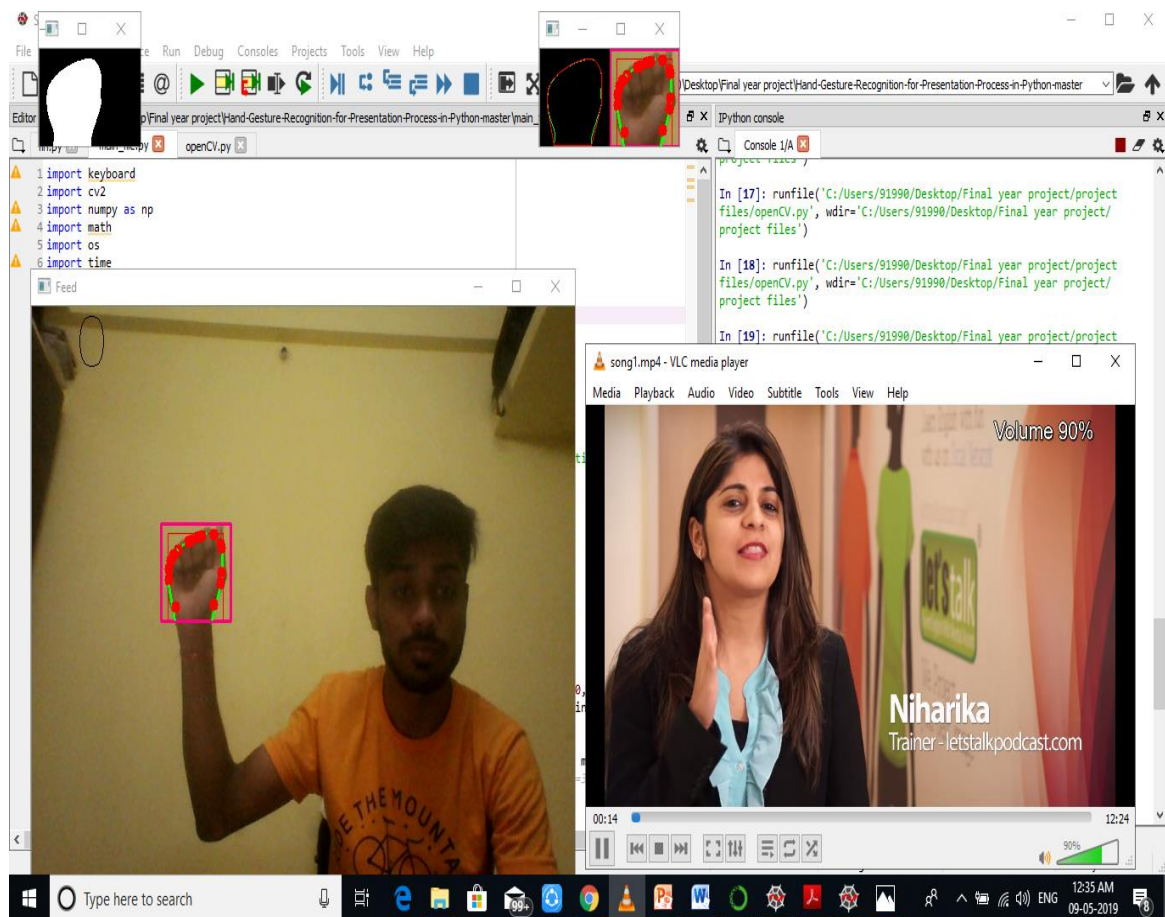


Figure 8.7: Volume Up With Palm Gesture

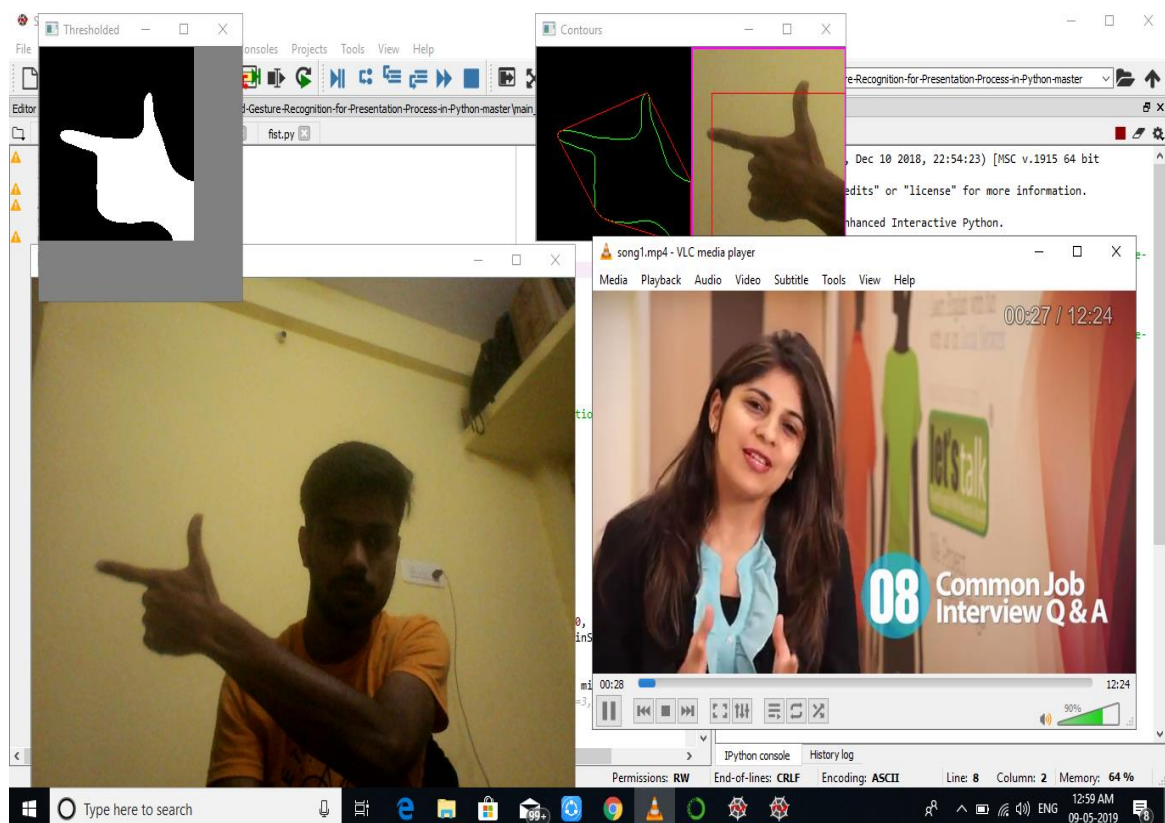


Figure 8.8: Video Rewind With Point Gesture

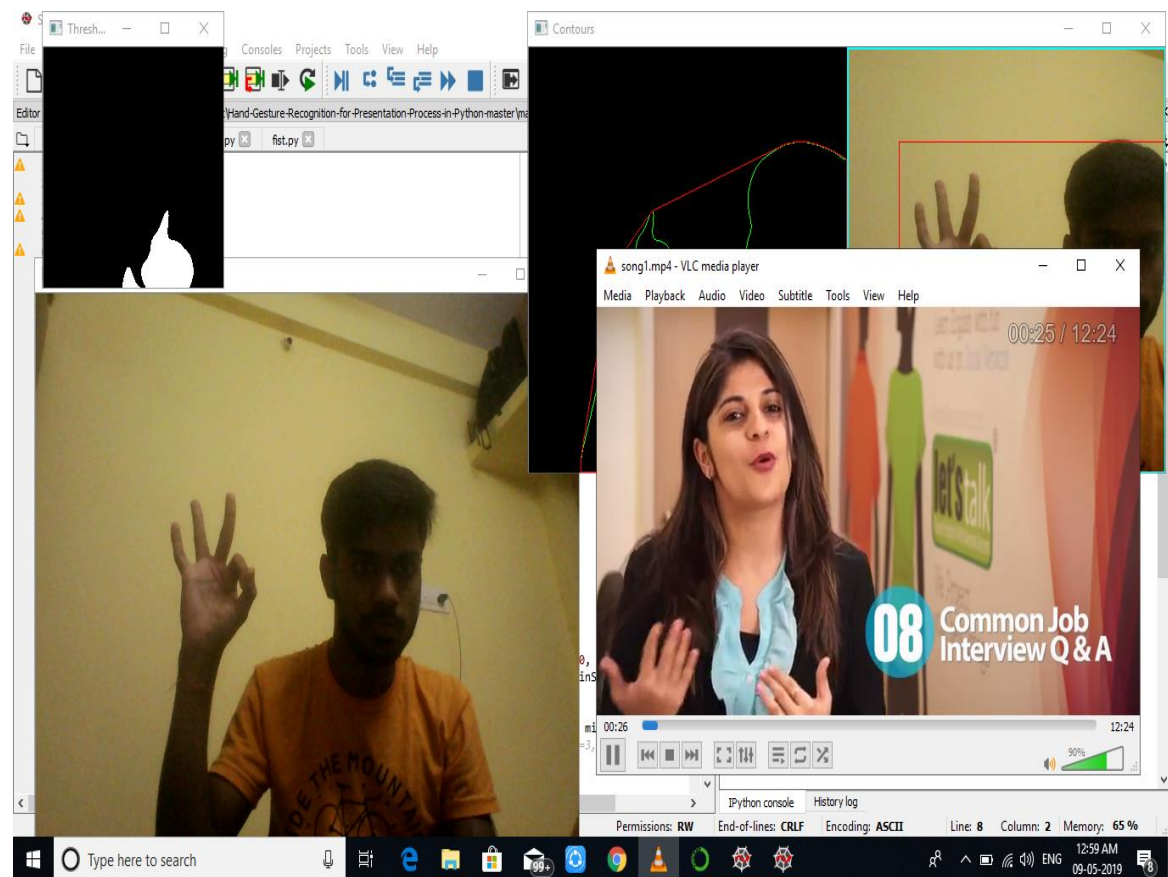


Figure 8.9: Video Forward With OK Gesture

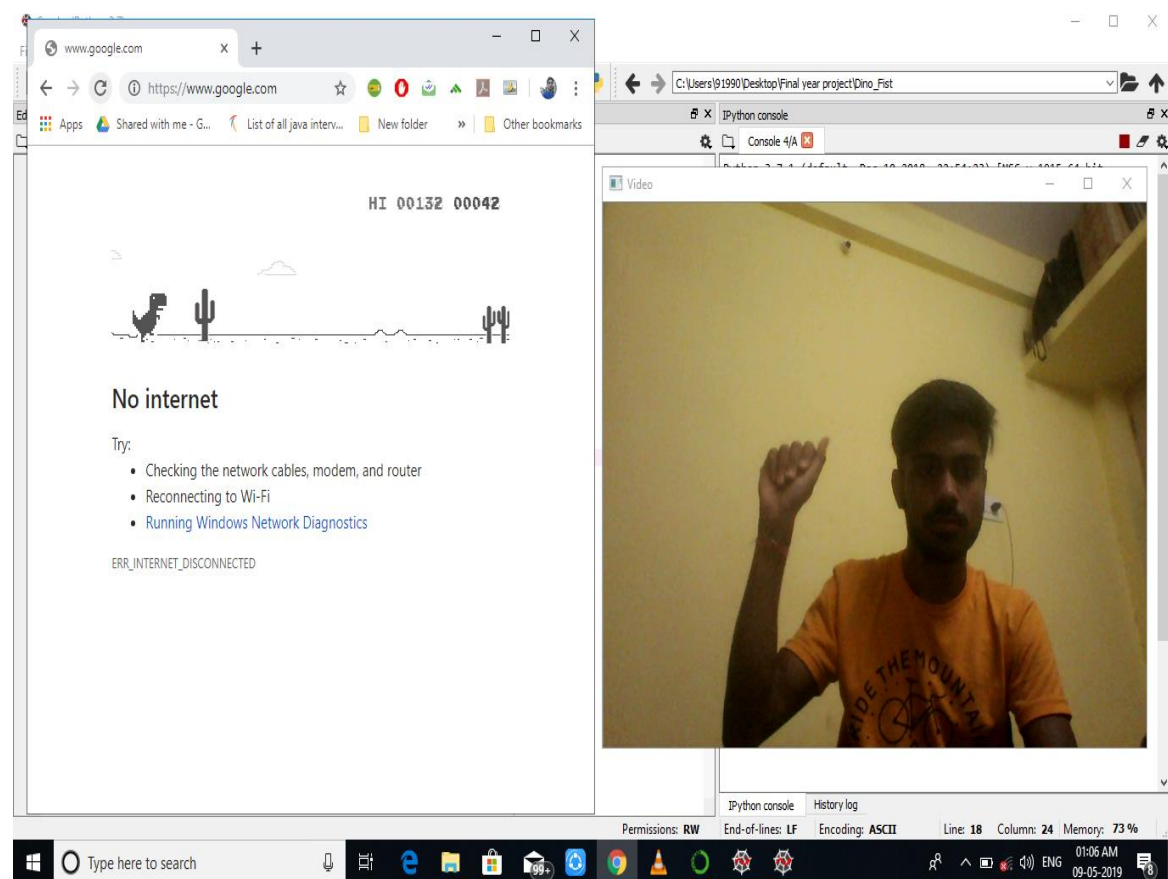


Figure 8.10: Start Game With Closed Palm

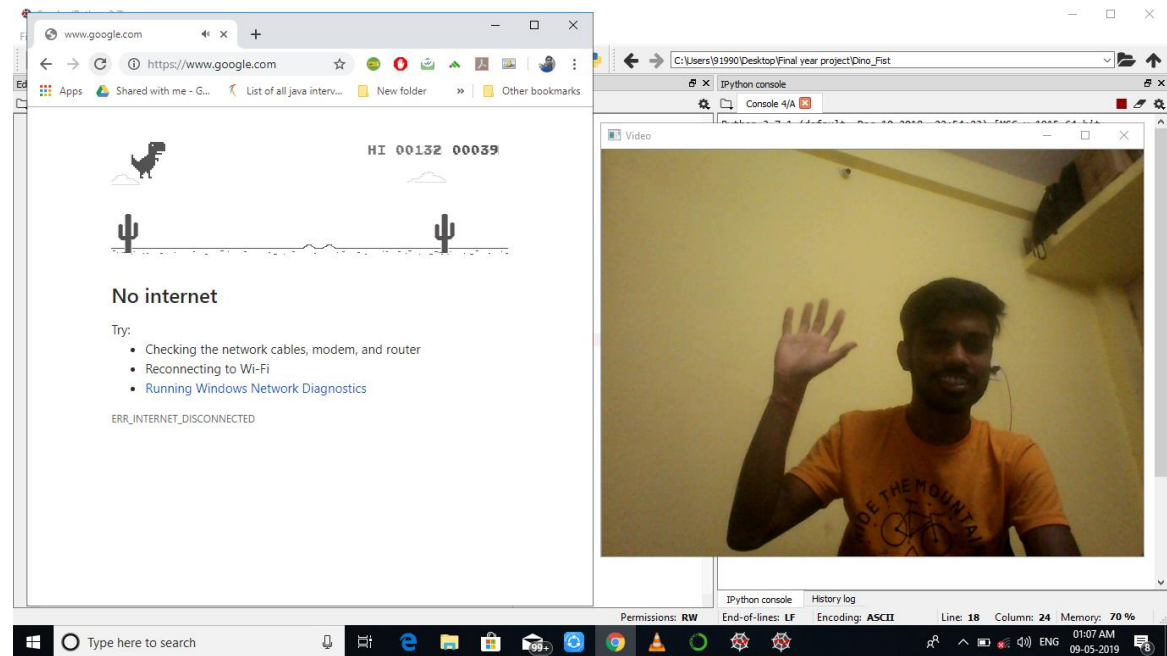


Figure 8.11: Jump T-rex With Open Palm