

SPEECH GESTURE RECOGNITION

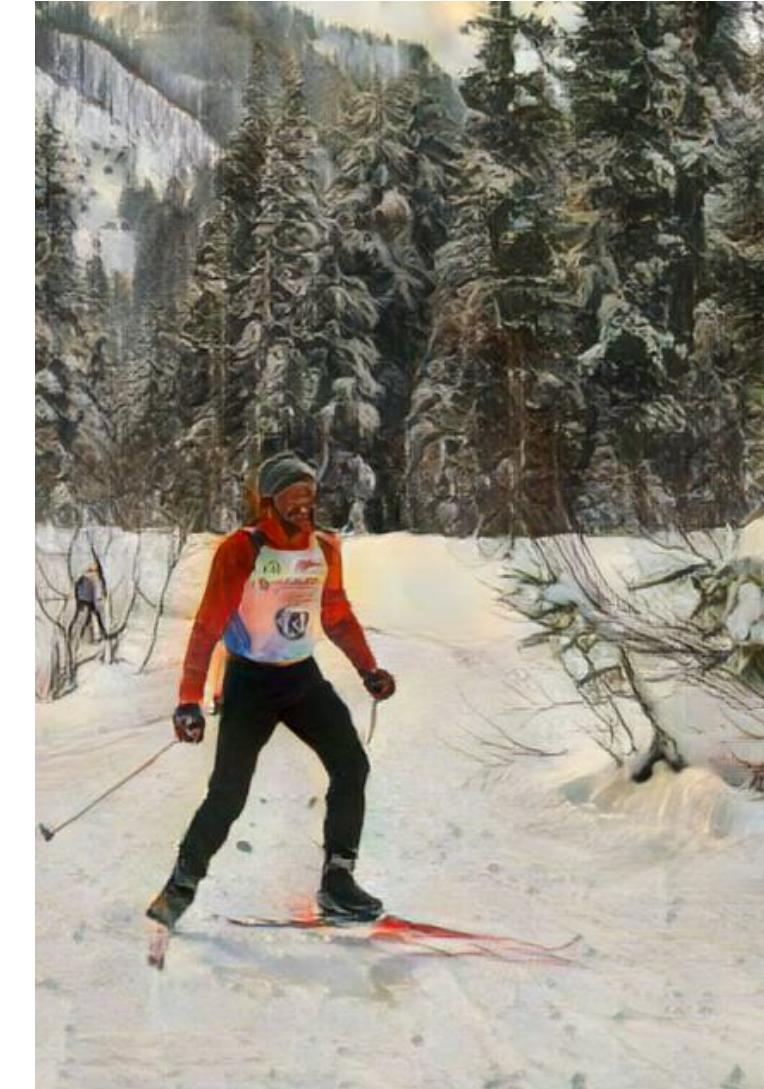
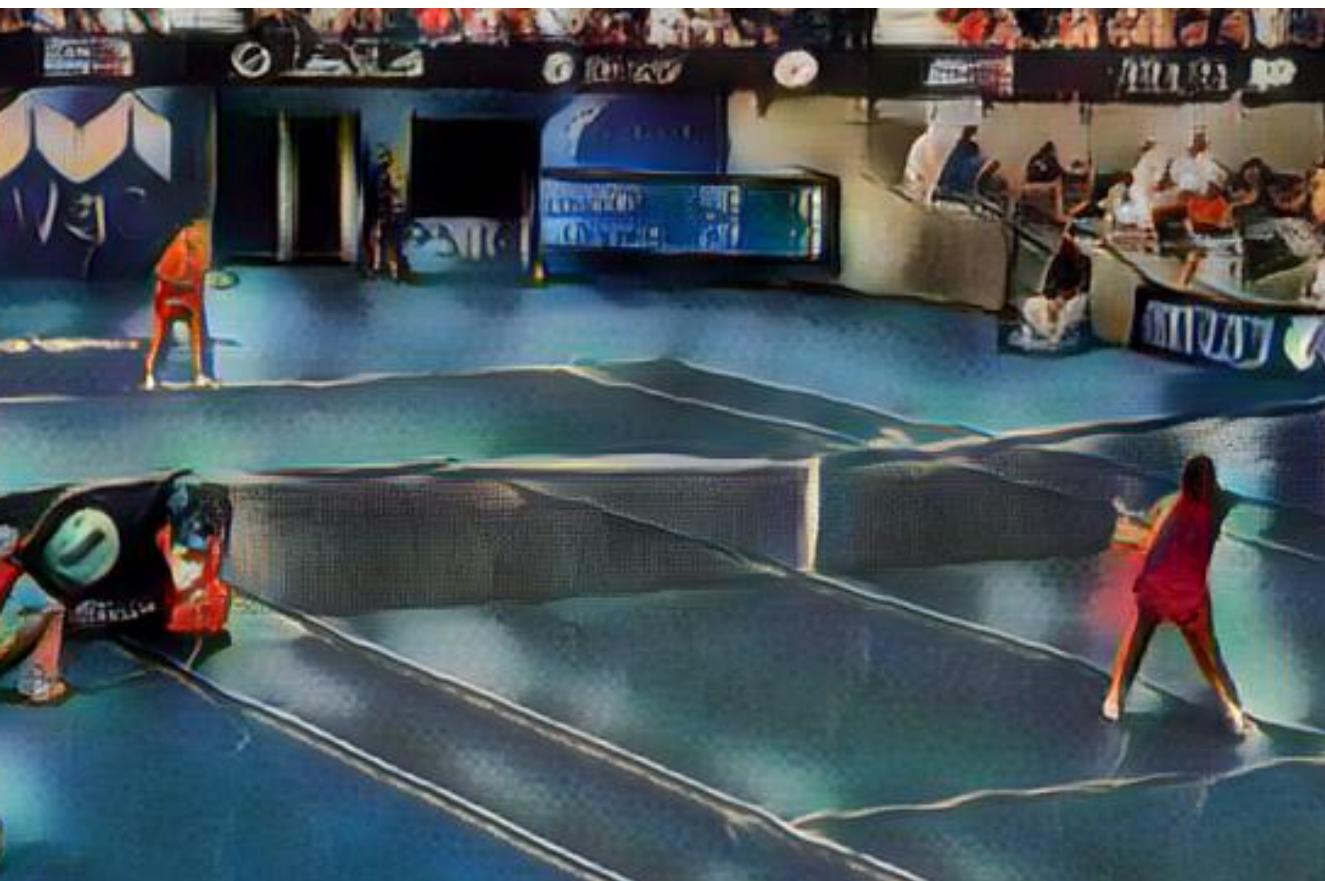
RIGVED SHIRVALKAR

THE DATA

Alpha = 1

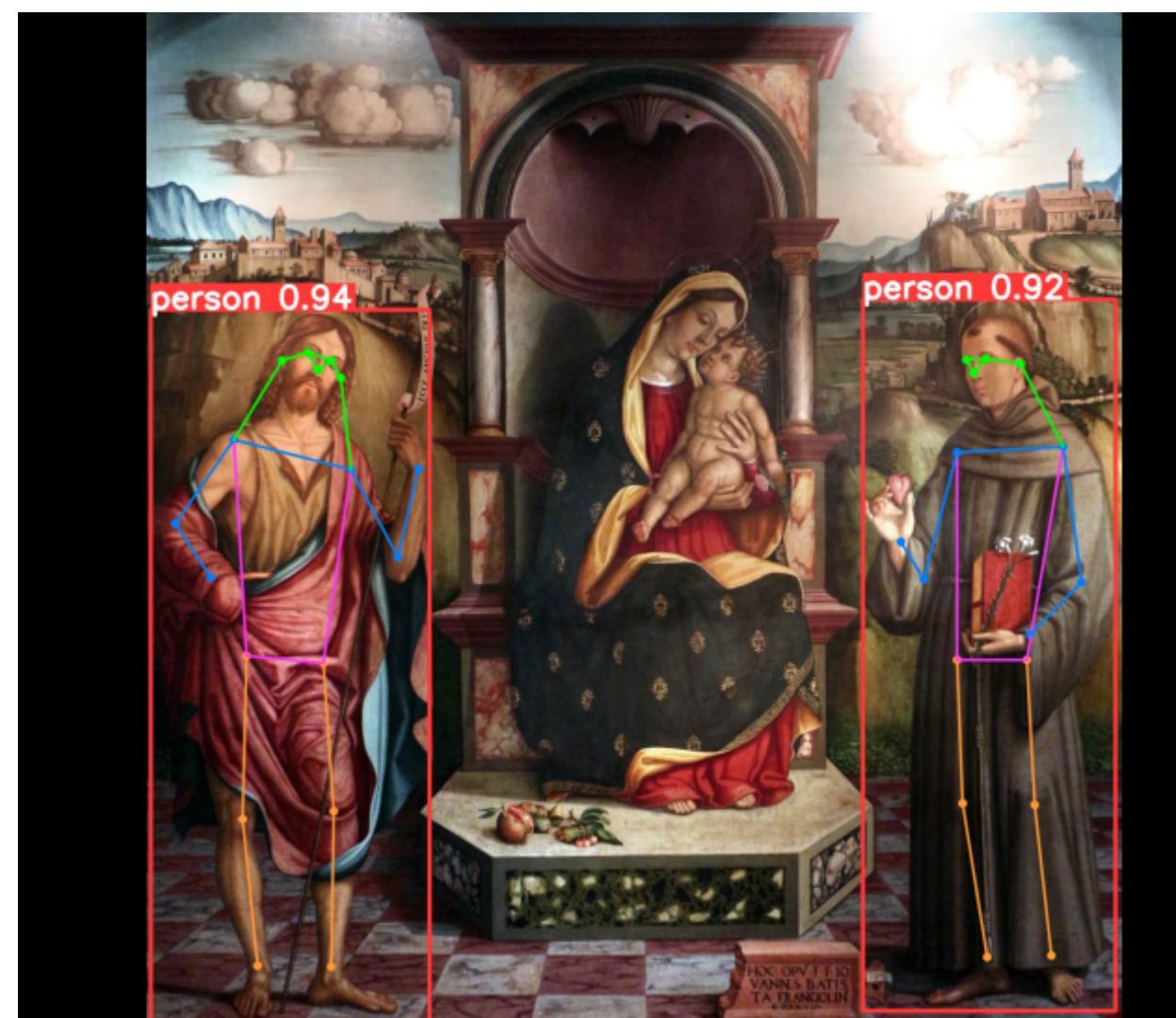
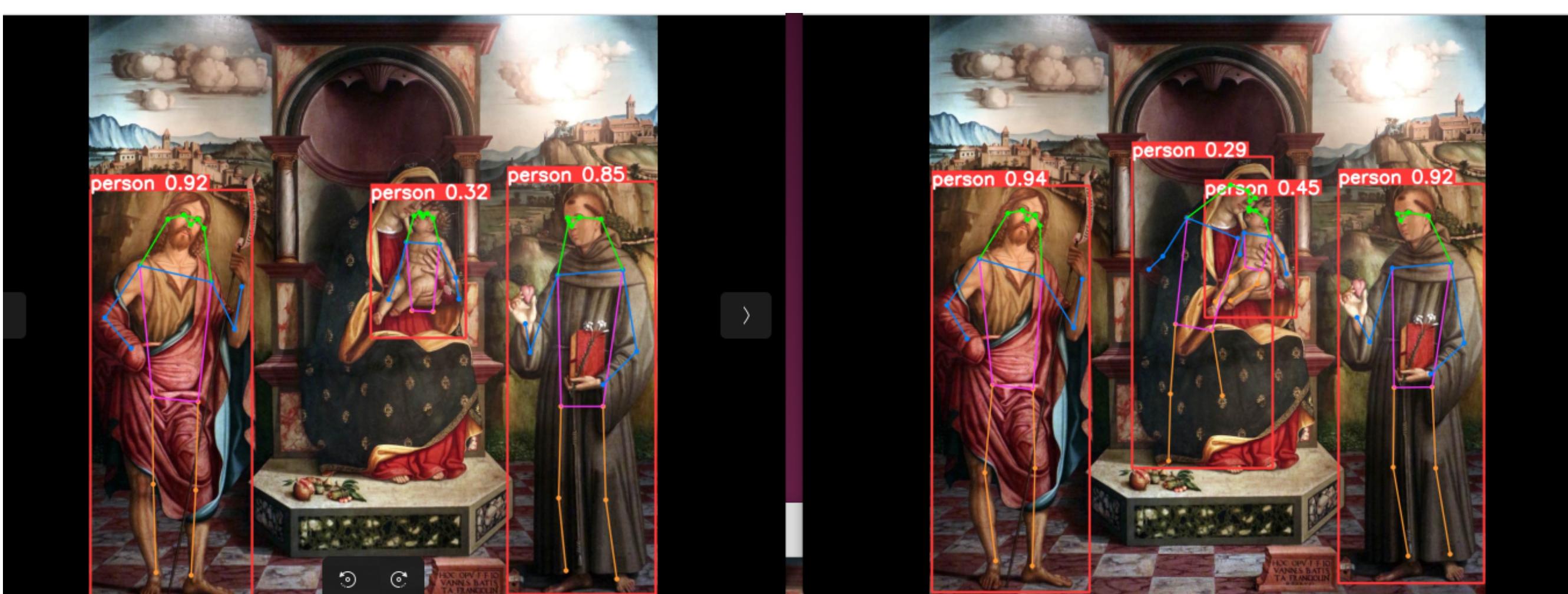


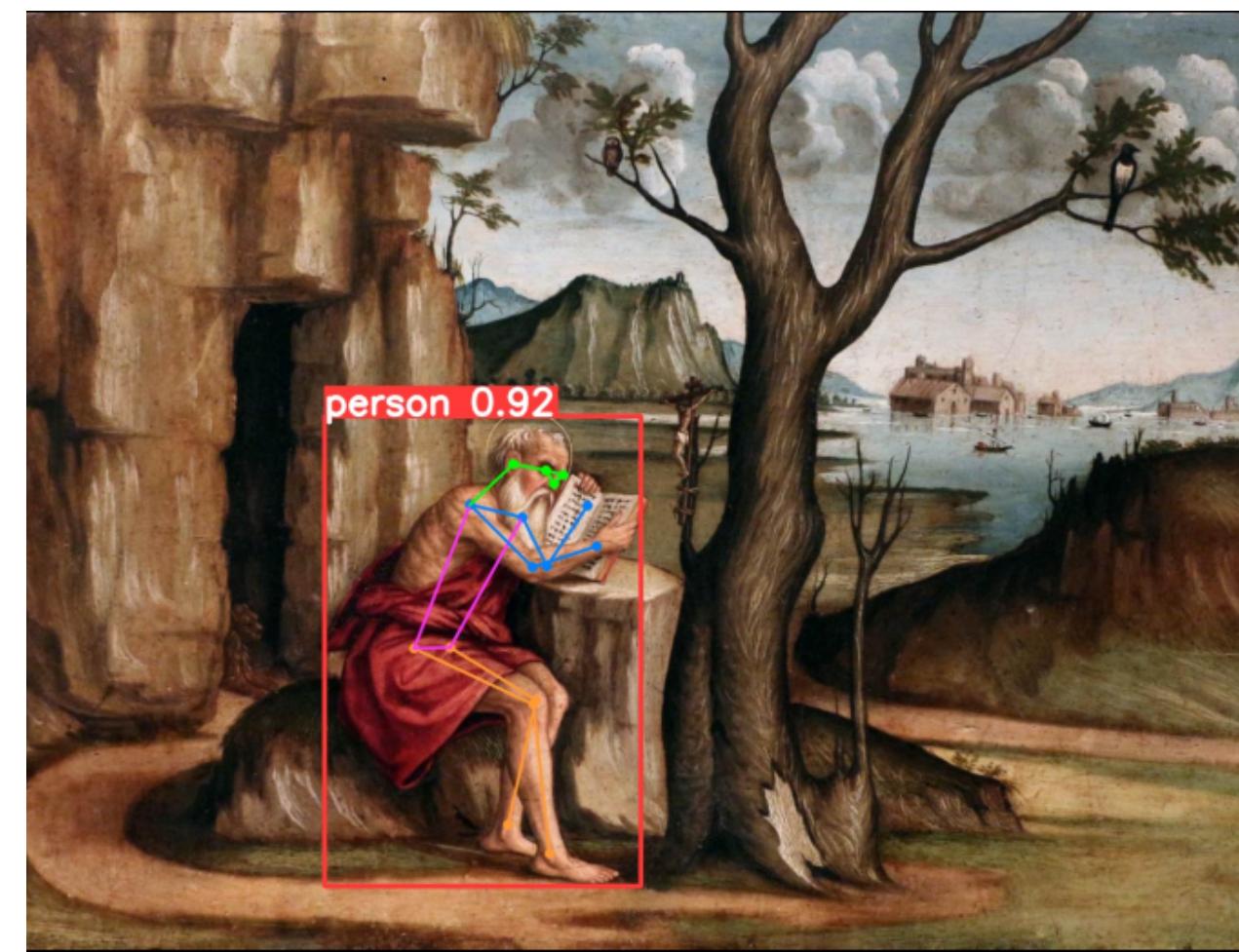
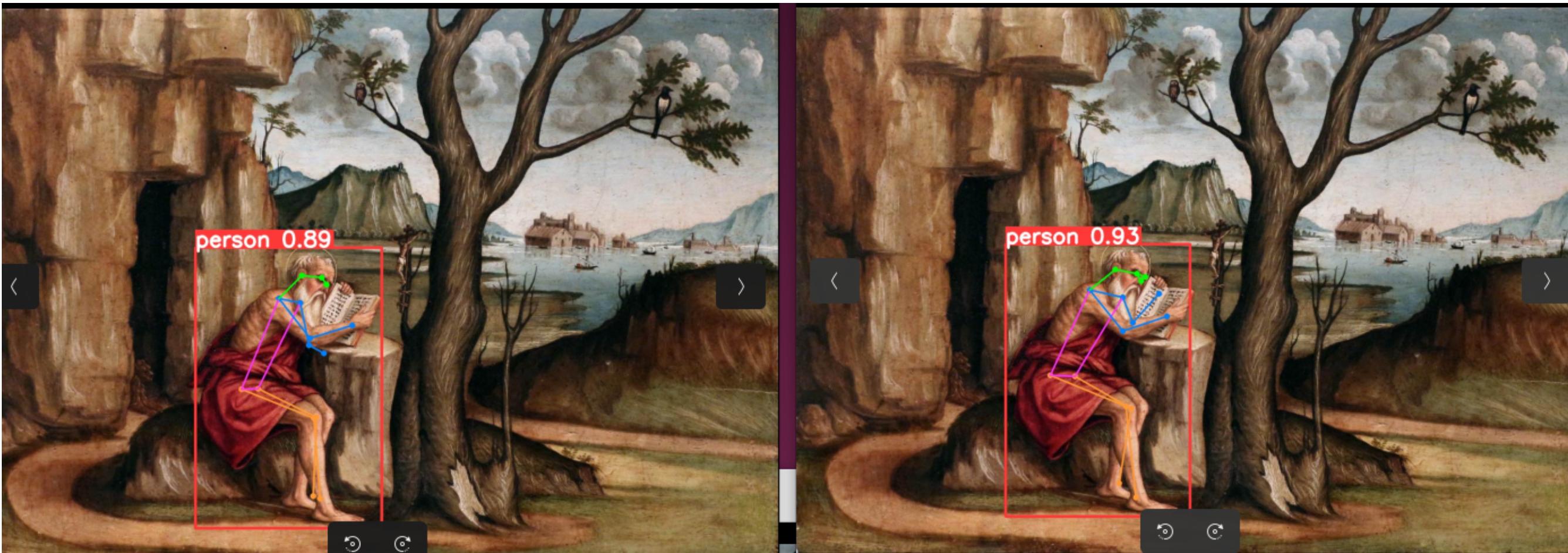
Alpha = 0.5



TESTING







Inferences:

- Detection of small person improved
- Increase in number of detections
- Some inaccurate detections
- Some part of data is confusing the model due to high style transfer value.

Measures:

- Reduce the amount of style transfer value and regenerate the data.
- Train the model again

In Progress:

- Improving the training of the pose detection model
- Preparing the code for generating data and training the pose classification model
- Assessing the data for training the palm detection model

Further Action:

- Create the training data for the classifier using the pose detection model
- Decide on the poses to train the classifier on **
- Train the palm detection model
- Combine the models and create final detection pipeline