Project Showcase

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Intel Edge AI Scholarship Challenge

Human Pose Animation

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Overview

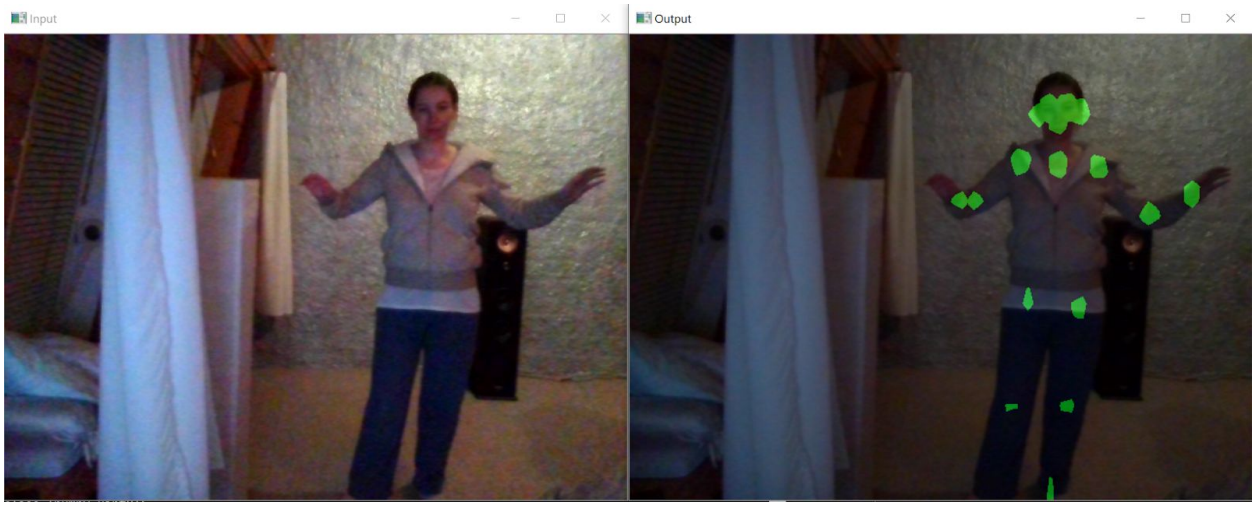
The project goals were:

- better understanding materials of the Intel® Edge AI Foundation Course,
- starting a project on the local environment,
- working with the local cam,
- having fun.

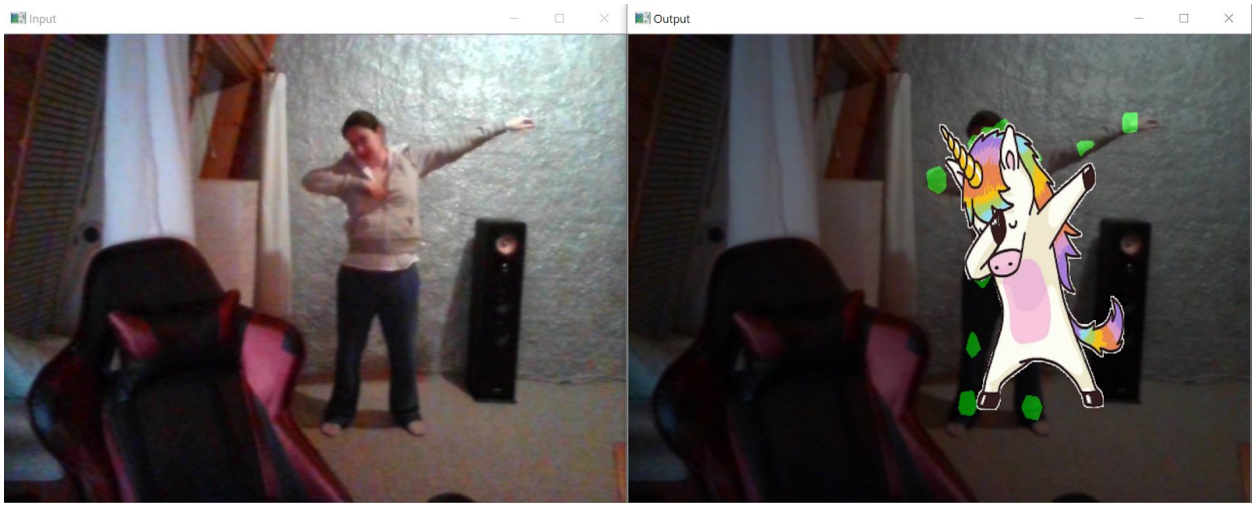
So, the selected Idea was to animate the human using OpenVINO toolkit and a human pose estimation model.

Details

- The first step was to download and install OpenVINO toolkit. The installation steps for the Windows 10 was done as in installing guides https://docs.openvinotoolkit.org/latest/_docs_install_guides_installing_openvino_windows.html
- After that, using the materials from course exercises was downloaded and prepared the human pose estimation model. https://docs.openvinotoolkit.org/latest/_models_intel_human_pose_estimation_0001_description_human_pose_estimation_0001.html
- The next step was to change the code for using a local webcam.



- The last step was to animate the pose. This part was just started with one picture for the human, but I would like to animate each part of the body in the future.



To run the project use the following command:

python app.py -m
.\models\human-pose-estimation-0001\FP32\human-pose-estimation-0001.xml