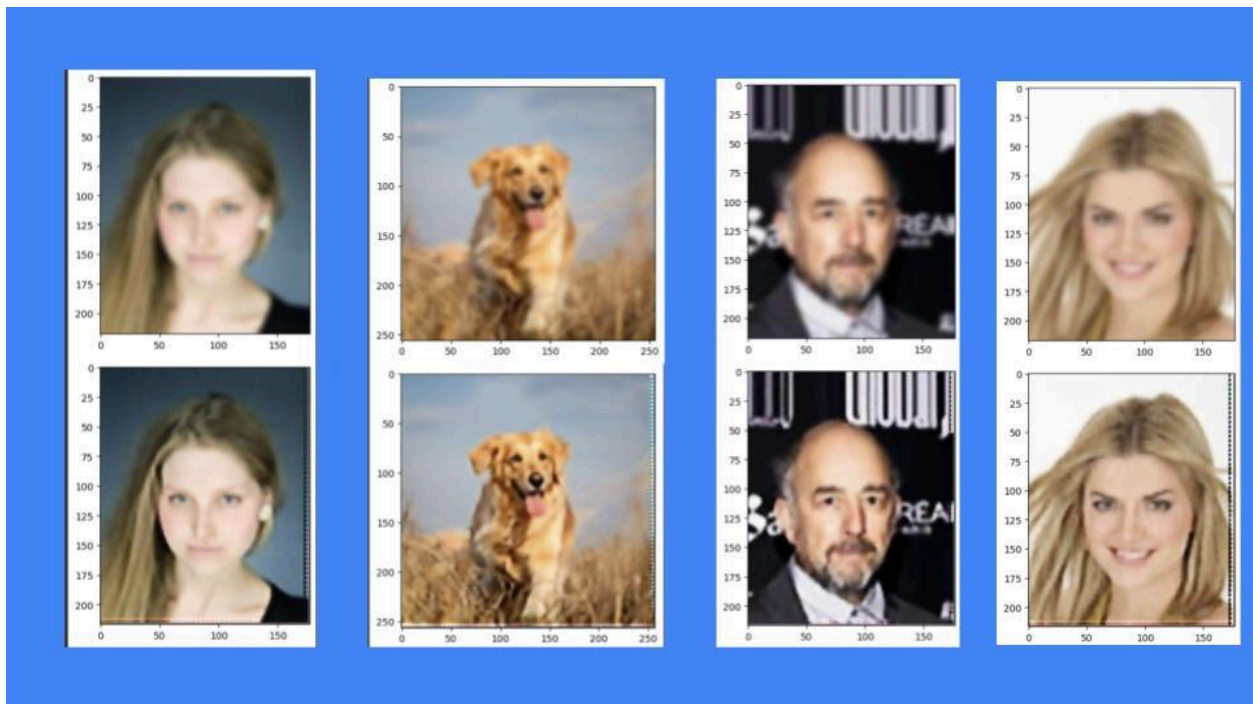


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Our final results have shown a considerable improvement over the initial ones. Our old training loss was 0.006 and our final one is 0.003. Additionally, our PSNR rating improved from 21.95 to 26.81. This is largely due to the fact that we used a new, much larger dataset for training (CelebA dataset). However we have also made some small changes to our training procedure. Most notably, we changed the way we downsample images from resizing with bicubic interpolation to using gaussian blur with a radius of 2.

The PSNR for image super resolution can be interpreted as: below 20 is poor quality, 20-30 is good quality, 30-40 is very good quality, 40+ is excellent. We believe our metric could have been even higher if we had more compute.



Top row: input images, Bottom row: output images

Finally, we will present our model using a web app. We plan on using flask to create a page which lets the user input an image and the app would return the model's output.