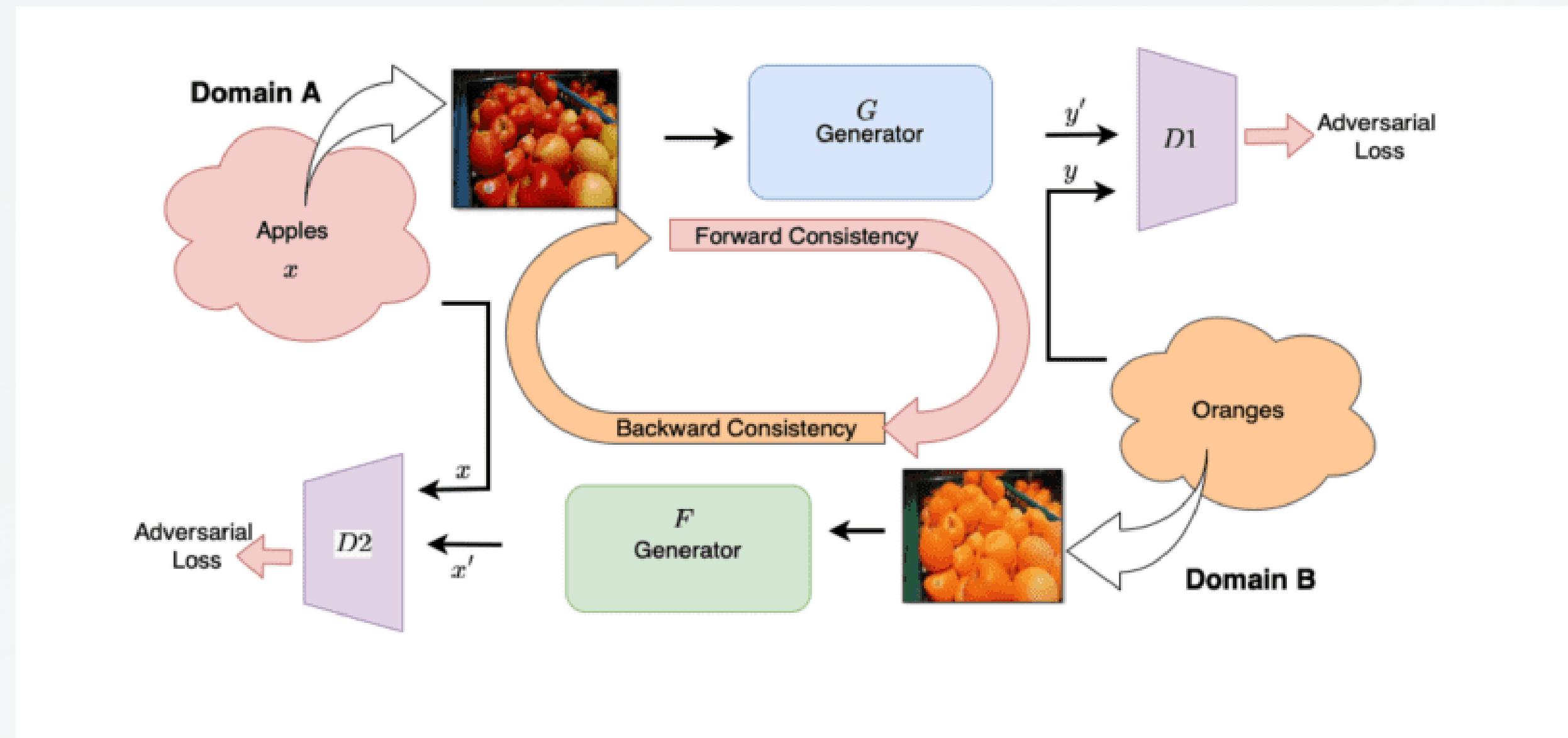


.S'

**Using CycleGAN for style transfer between image modalities (e.g. MRI to CT,
PET to MRI) and artistic transformations (e.g. normal images to artistic
styles like Vangogh, Monet etc)**

PRESENTED BY
MD. SADIK HOSSAIN SHANTO(1905101)
SABAH AHMED(1905118)

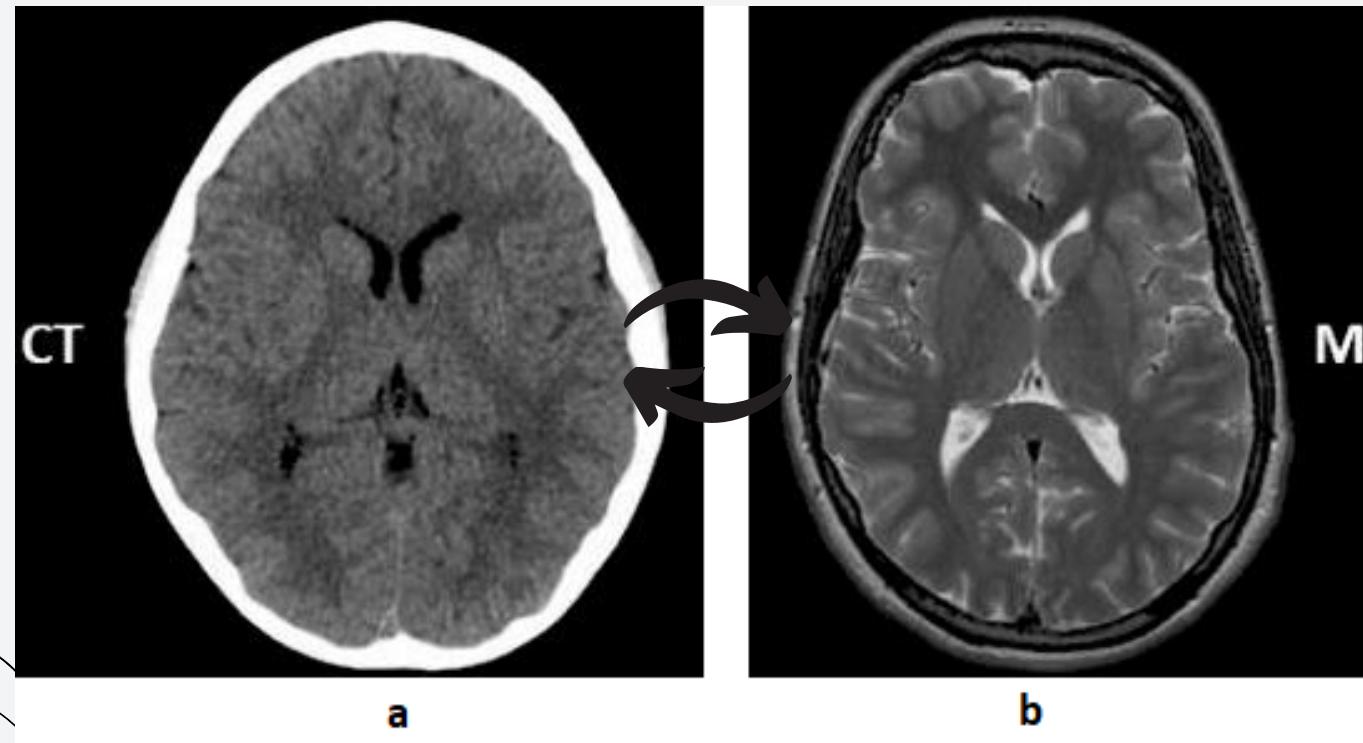
CYCLE-GAN



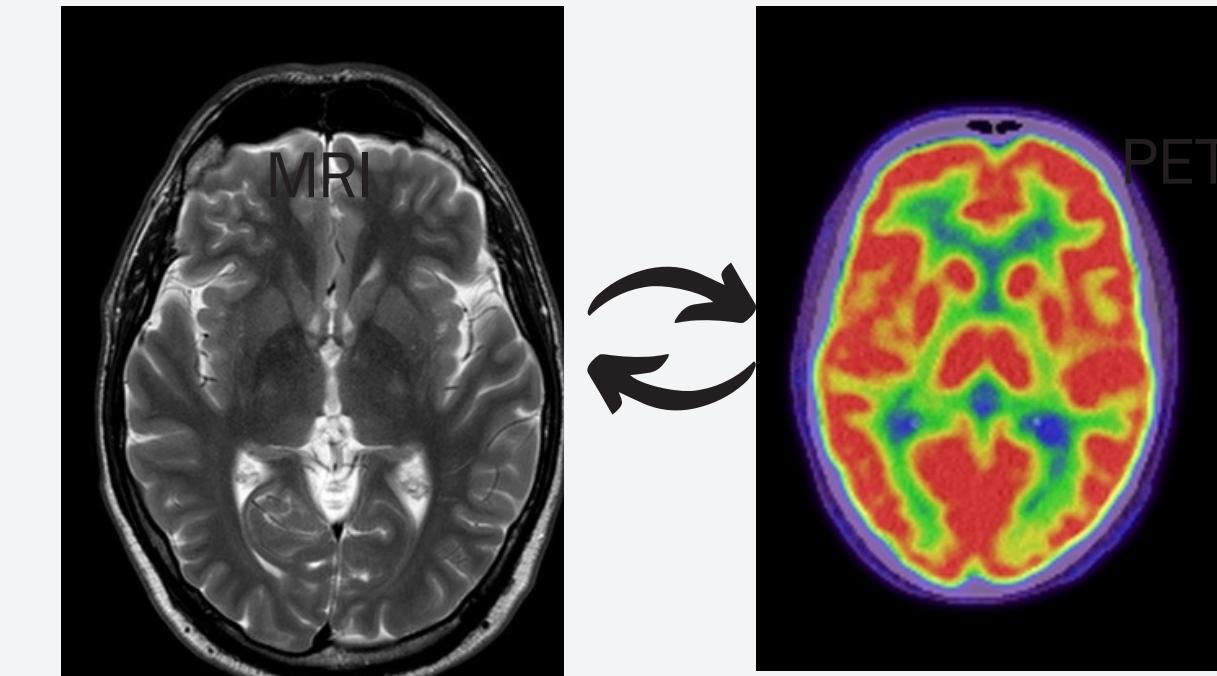
Unpaired Image-to-Image Translation using Cycle-Consistent Adversarial Networks
<https://arxiv.org/abs/1703.10593>

TRANSFER MODALITIES

Ct to MRI image conversion and vice versa



MRI to PET conversion and vice versa



Unsupervised MR-to-CT Synthesis Using Structure-Constrained CycleGAN:

<https://ieeexplore.ieee.org/abstract/document/9164889>

Probable Dataset:

<https://www.kaggle.com/datasets/darren2020/ct-to-mri-cgan>

https://huggingface.co/datasets/Falah/Alzheimer_MRI

<https://www.kaggle.com/competitions/pet-radiomics-challenges/>

<https://caii2r.net/resources/pet-mr-dataset/>

IMAGE TRANSFORMATION

Original image



Monet style

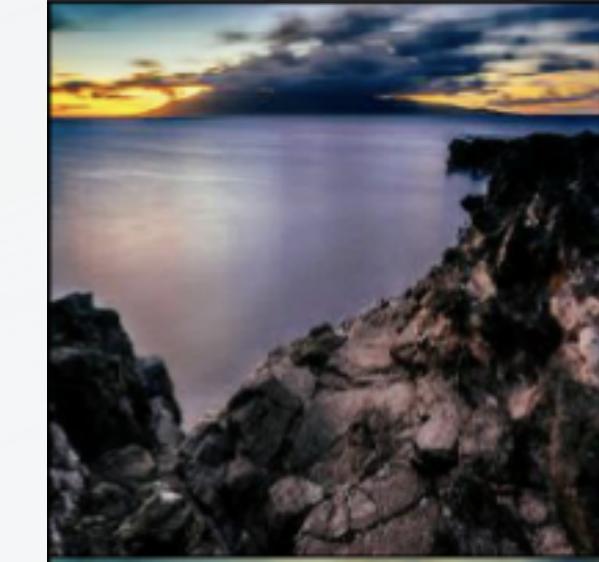


original

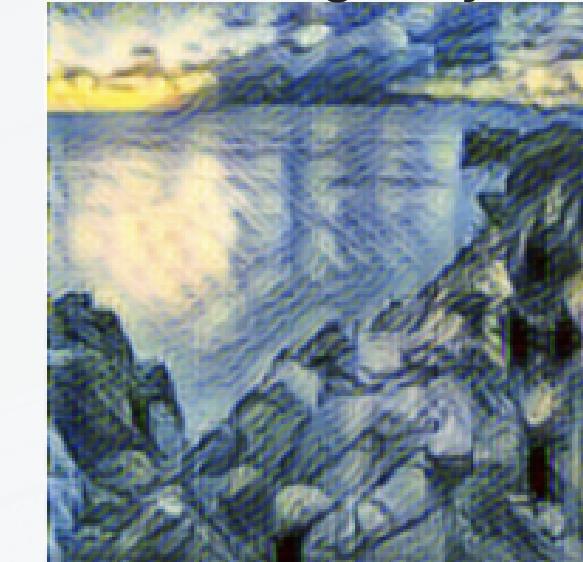


sketch

Original image



Van Gogh style



Summer



winter



<https://arxiv.org/pdf/1703.10593>

https://cs230.stanford.edu/projects_fall_2020/reports/55792990.pdf

<https://www.kaggle.com/c/gan-getting-started>

<https://viso.ai/deep-learning/cyclegan/>

**THANK'S FOR
WATCHING**

.S.

