Student id:

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| 305152969 |

Student full name:

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| Tzach Fleischer |

Describe your project in words:

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| I used Cycle-GAN PIX2PIX to generate an image of my face with sunglasses from an image of me without sunglasses |

Method used to achieve project goals and why did you choose this method:

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| The model uses 4 models: 2 generators, 2 discriminators  The generators are Resnets  The optimizers are ADAM  I found the model on Kaggle, it references this research:  https://github.com/junyanz/pytorch-CycleGAN-and-pix2pix |

Describe your data-set (size, resolution, show 10 screenshots of train and 10 of test images):

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| 1698 training images  1691 test images  Resolution is : 240\*200  Train:      Test: |

Screenshot depicting one input and its output of your project:

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| Screenshots of the summary of all DNNs involved:  Discriminator:    Generator: |

Screenshots of the training process per epoch (all loss values):

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Describe how many epochs did you train, and how and why did you decide to stop:

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| I trained 150 epochs, around this number of epochs, the generated images started failing, and when the image wasn't easy to interpret the generated image didn’t look good, so I decided to stop |

Screenshots of how training progress on a specific image (10 images overall):

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