The Office

Generate High resolution images from Low Resolution image

using Generative Adversarial Network

| Name | Enrollment no |
| --- | --- |
| Dhruv Kabariya | AU1940188 |
| Shivam Thakker | AU1940193 |
| Pranav Gandhi | AU1940313 |

* In this week we have first tried finding some of the research papers who have tried generating High resolution images from Low Resolution image using Generative Adversarial Network
* We found the below papers which generated High resolution images from Low Resolution image:

<https://scholar.google.com/scholar?hl=en&as_sdt=0%2C5&q=Photo-Realistic+Single+Image+Super-Resolution+Using+a+Generative+Adversarial+Network&btnG=>

<https://openaccess.thecvf.com/content/ICCV2021W/AIM/html/Liang_SwinIR_Image_Restoration_Using_Swin_Transformer_ICCVW_2021_paper.html>

<https://openaccess.thecvf.com/content_CVPR_2020/html/Menon_PULSE_Self-Supervised_Photo_Upsampling_via_Latent_Space_Exploration_of_Generative_CVPR_2020_paper.html>

* So we read some of these papers and tried to understand how we can actually convert low resolution images to high resolution.
* Also we found a github link regarding the same which we are going to explore in the next week and is mentioned below.

<https://github.com/JingyunLiang/SwinIR>