

# Lecture 25 - Deep Fakes and Generative Adversarial Networks (GAN)

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## Fake Faces

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Generative Adversarial Networks GAN - <https://youtu.be/NmDp-1l2-JE>

From Amazon S3 - for download (same as youtube videos)

[Generative Adversarial Networks GAN](#)

## Power of Classification

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<https://www.nytimes.com/2020/11/20/health/tuberculosis-ai-apps.html>

## Generative Adversarial Networks

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<https://www.nytimes.com/interactive/2020/11/21/science/artificial-intelligence-fake-people-faces.html>

<https://www.kdnuggets.com/2020/03/generate-realistic-human-face-using-gan.html>

<https://thispersondoesnotexist.com/>

## Homework

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Read the articles - and then go to <https://thispersondoesnotexist.com/> and refresh the page until you generate a "bad" face - one that you can easily identify as a fake. Save the known fake and turn in the image. (Right click on the image, or on Mac - control-click, then use "Save As" or "Save Image As" to save the file).