

Abstract geometric shapes in the top corners of the slide, including triangles and polygons in shades of blue, teal, and orange.

Deep Dive Module 3

Deep Dive

Convolutional Neural Networks

- ❑ Convolutional Neural Networks from the ground up
<https://towardsdatascience.com/convolutional-neural-networks-from-the-ground-up-c67bb41454e1>

Deep Learning in CV

AlexNet

- ❑ ImageNet Classification with Deep Convolutional Neural Networks
<https://papers.nips.cc/paper/2012/file/c399862d3b9d6b76c8436e924a68c45b-Paper.pdf>

VGG19

- ❑ VERY DEEP CONVOLUTIONAL NETWORKS FOR LARGE-SCALE IMAGE RECOGNITION
<https://arxiv.org/pdf/1409.1556.pdf,2015.pdf>

GoogleNet

- ❑ Going deeper with convolutions
<https://arxiv.org/pdf/1409.4842.pdf>

ResNet

- ❑ Deep Residual Learning for Image Recognition
<https://arxiv.org/pdf/1512.03385.pdf>

Deep Dive

Yolo

- ❑ SSD (Algo similar to YOLO) What Is SSD & How It Improved Computer Vision Forever
<https://analyticsindiamag.com/what-is-ssd-how-it-improved-computer-vision-forever/>
- ❑ Understanding SSD MultiBox — Real-Time Object Detection In Deep Learning
<https://towardsdatascience.com/understanding-ssd-multibox-real-time-object-detection-in-deep-learning-495ef744fab>

شكراً لكم

Thank you



SDAIA

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