MODEL	USEFUL FOR	CHARACTERISTICS
U-NET	Semantic Segmentation	- A CNN developed for biomedical image segmentation. - Modified and extended to work with fewer training images and to yield more precise segmentations. - To predict the pixels in the border region of the image, the missing context is extrapolated by mirroring the input image.
Mask-RCNN	Detection	- Perform detection on various region proposals and thus end up performing prediction multiple times for various regions in a image.
Faster-RCNN	Detection	- Perform detection on various region proposals and thus end up performing prediction multiple times for various regions in a image.
Keras - RetinaNeT	Detection	RetinaNet has been formed by making two improvements over existing single stage object detection models (like YOLO and SSD): Feature Pyramid Networks for Object Detection Focal Loss for Dense Object Detection
SSD	Detection	- Single Shot Detector - runs a convolutional network on input image only once and calculates a feature map.
YOLOv3	Detection	- You Only Look Once - Fast
DenseNet	Classification	