



Mask R-CNN Install & Run 5-Steps



Mask R-CNN Installation

Step 1 – Downloading the Repo

- **Go to GitHub Repo**

- https://GitHub.com/augmentedstartups/Mask_RCNN

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- **Clone Repo using:**

- `git clone https://GitHub.com/augmentedstartups/Mask_RCNN.git`

Mask R-CNN Installation

Step 2 – Install Virtual Environment (Optional)

- **Install Virtual Environment**

- `pip install virtualenv`

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- **Activate Virtual Environment**

- `virtualenv maskrcnn_env`
 - `maskrcnn_env\Scripts\activate`

Mask R-CNN Installation

Step 3 – Copy Execution Scripts

○ Real-time Video Scripts

- <https://github.com/augmentedstartups/mask-rcnn>
- Download `video_demo.py` code
- Download `visualize_cv2.py` code
- Save in root folder of Mask RCNN Clone (From Step 1)

Mask R-CNN Installation

Step 4 – Install Requirements

- **Install Requirements**

- `pip install -r requirements.txt`

- **Install CUDA & CuDNN**

- [\(107\) TensorFlow and Keras GPU Support - CUDA GPU Setup - YouTube](#)



Mask R-CNN Installation

Step 5 – Run Mask R-CNN

- **Download Test Video**

- Create or download any test video

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- **Run Mask R-CNN**

- `python video_demo.py testvideo.mp4`