

This project is based on the paper Mask R-CNN.

The code implemented in the project is done using the following repo as reference:

https://github.com/matterport/Mask_RCNN

The GNR_Project.ipynb file contains the model implementation and it's inference.

The presentation is also available at this link:

[https://docs.google.com/presentation/d/](https://docs.google.com/presentation/d/1lhbdkmP9wzgeLhj2f649NQOgQKR9G35BOhT4y-IMP6g/edit?usp=sharing)

[1lhbdkmP9wzgeLhj2f649NQOgQKR9G35BOhT4y-IMP6g/edit?usp=sharing](https://docs.google.com/presentation/d/1lhbdkmP9wzgeLhj2f649NQOgQKR9G35BOhT4y-IMP6g/edit?usp=sharing)

Steps to run:

Open the GNR_Project.ipynb file in colab or from this link:

[https://colab.research.google.com/drive/](https://colab.research.google.com/drive/17wlpDXIWDRE1UZ1B2t6b282IWE52XS3A?usp=sharing)

[17wlpDXIWDRE1UZ1B2t6b282IWE52XS3A?usp=sharing](https://colab.research.google.com/drive/17wlpDXIWDRE1UZ1B2t6b282IWE52XS3A?usp=sharing)

The colab notebook has each subsection of the model in Table of contents.

Click on Run All under runtime to execute the code.

Upload an image from the last snippet to get the inference.

Note: The model uses COCO pre-trained weights available from the repo mentioned in the notebook.