Project Specification Document

Submission folder contains:

Project specification document (this document)

3 Jupyter notebooks -

1-Lungs\_Pathological\_Condition\_Diagnosis.ipynb

2-covid\_19\_predictions\_and\_interpretability\_CXR.ipynb

3-ct-scan-classification-for-covid-19.ipynb

Python script – util.py (used for the 1st notebook)

Dataset (resized) Folders

The datasets required for running the notebooks

1-nih (also contains pretrained dense net model and model weights)

2-SIIM-COVID-19-512-jpg-image-Dataset

3-COVID-19-CT-scan-slice-dataset

Original Source:

1-https://www.kaggle.com/nih-chest-xrays/data

2-https://www.kaggle.com/c/siim-covid19-detection

3- https://www.kaggle.com/maedemaftouni/large-covid19-ct-slice-dataset

Csv files (for dataset 2)

train\_image\_level

train\_study\_level

sample\_submission