

Dataset Used :

S. No.	Dataset Name	Source Link	Total Images Used	Classes Included	Usage Notes
1	Tuberculosis (TB) Chest X-ray Dataset	Kaggle	700 TB + 3,500 Normal Chest	TB, Normal Chest	Used for TB class and normal chest baseline. Includes augmentation to balance dataset.
2	COVID-19 Radiography Database	Kaggle	3,616 COVID-19 + 6,012 Lung Opacity + 1,345 Viral Pneumonia + ~3,000 Normal	COVID-19, Lung Opacity, Viral Pneumonia, Normal Chest	Covers multiple disease classes. Provides diverse chest X-ray patterns for robust multi-class classification.
3	X-Ray Body Part Dataset 512×512	Kaggle	4,876 Non-Chest Images	Non-Chest	Used to train the model to distinguish non-chest images, improving noise robustness and preventing false positives.
4	ImageNet1K1	Kaggle	~1.2 million	1,000 Generic Classes	Used for pretraining DenseNet121 backbone via transfer learning to provide general feature extraction capabilities.