**Annexure**

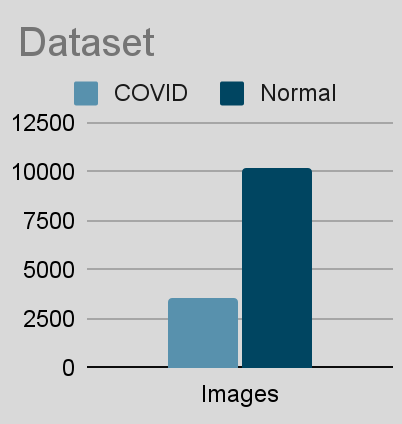


Figure 1. Dataset - Class distribution

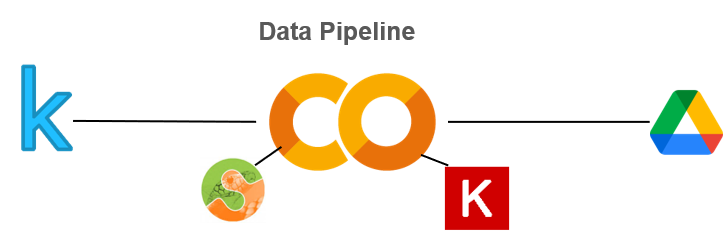


Figure 2. Data pipeline

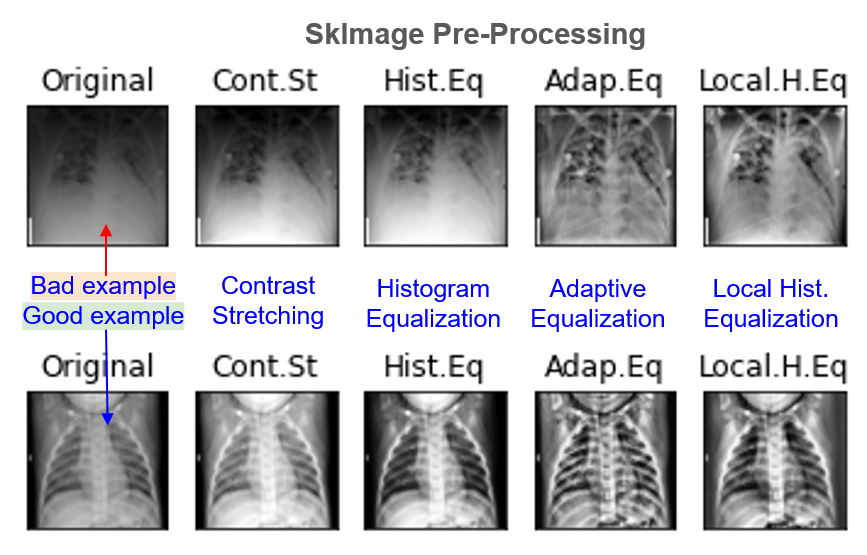


Figure 3. Image pre-processing using scikit-image

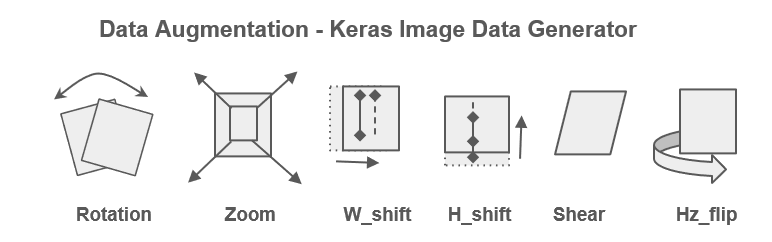


Figure 4. Data Augmentation using Keras image data generator

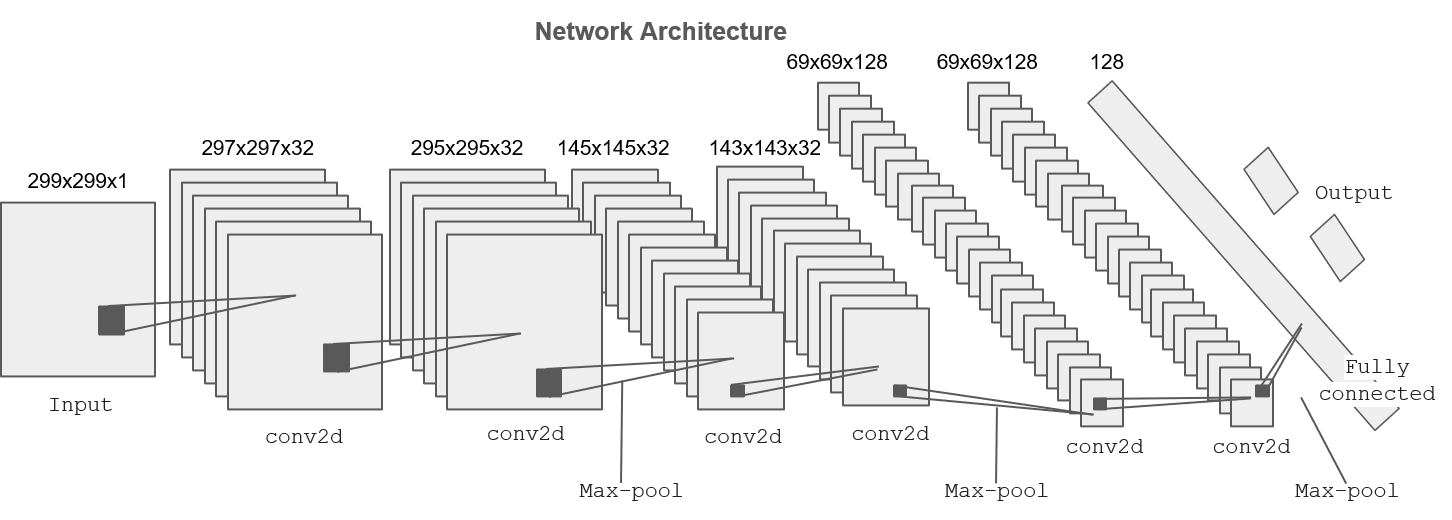


Figure 5. CNN Architecture

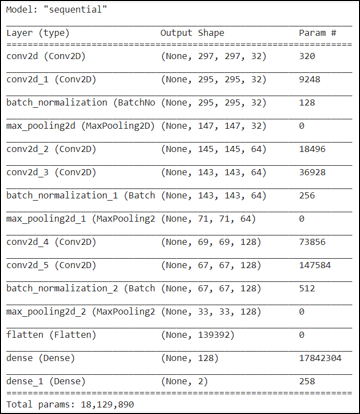


Figure 6. CNN model summary

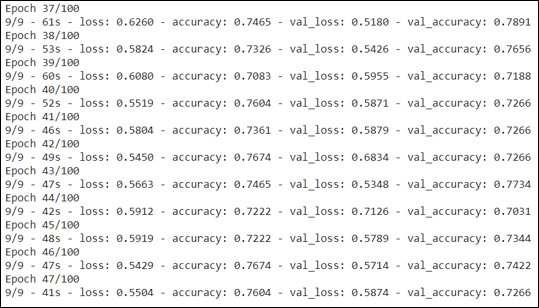


Figure 7. Training log – Early Stopping

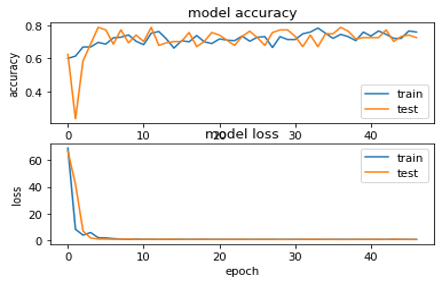


Figure 8. Training - Model learning curve

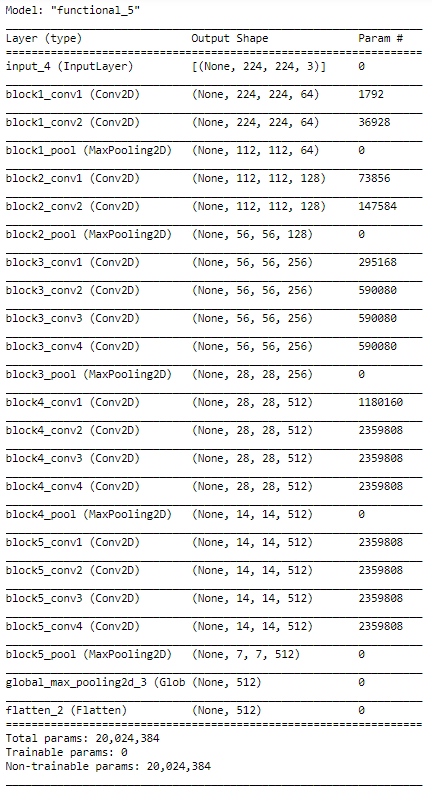


Figure 9. Reference model - Summary of VGG19 used in the background

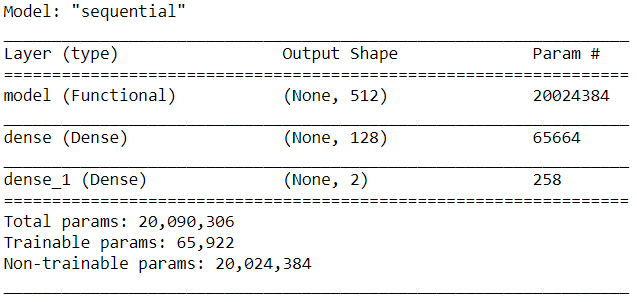


Figure 10. Reference Model - Summary with untrainable VGG19

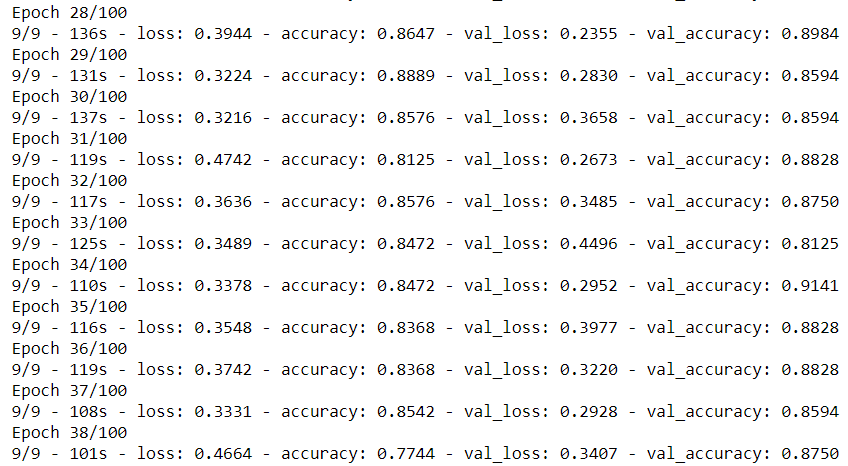


Figure 11. Reference Model - Training log

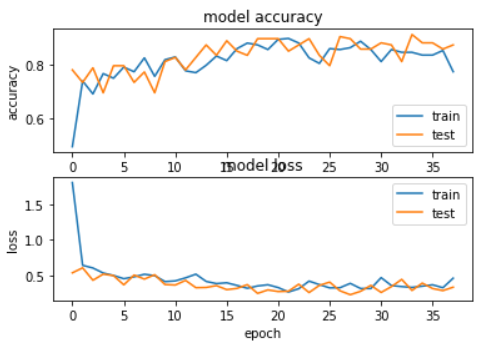


Figure 12. Reference Model - Learning curve