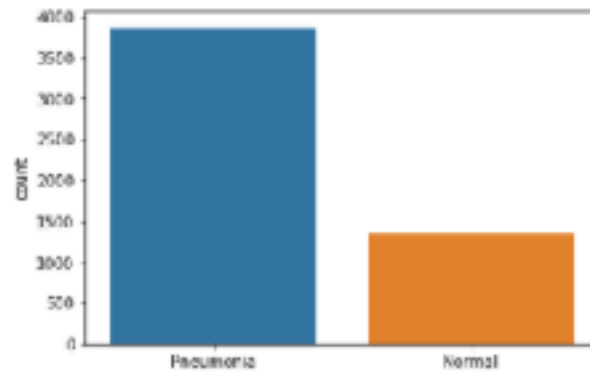


MVP Chest X-Ray Pneumonia Detection

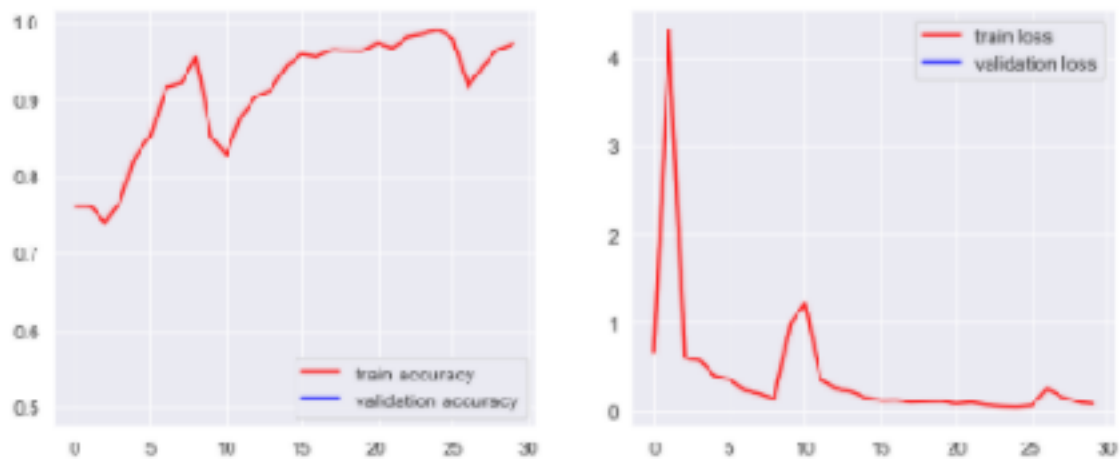
The Goal of this project is build a deep learning model to recognize and detect Pneumonia from the X-ray images from chest of 5000 patients.



I have used the dataset from Kaggle which has already decided the the directories into 3 sets of train , val and test. I have put all three sets together and as of my base line model ran a PCA test for them and came up with accuracy of 72.2%.



I have also played around with the data and using the CNN model have come up with loss and accuracy (97%) as below.



I will be working on optimizing my model since I am getting a higher than desired amount of false positives in my confusion matrix. Besides that, I will be using transfer learning and other Architectures (MobileNetV2) for my other trials for modeling.