

International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)

Volume 2, Issue 3, May 2022

Web App for Pneumonia Detection using Flask and VGG16

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Abstract: Today in the medical field lot of complications have arrived in this fields. The reason is that the human body has innumerable parts. As the people are become advanced day by day and they move towards automation for their comfort. The machines have become smarter due to high computation power. The machines have become accurate as the data is available in large quantity. Therefore machines are essential for human work. Decisions taken by machines are more reliable than man. So, here we try to build machine learning model to detect pneumonia. The pneumonia is detected using examine of chest X-Ray radiograph by highly-trained specialists. The result can be different according to different radiologists. Examining chest X-Ray requires high precision. Covid-19 can cause Pneumonia. Pneumonia is a disease that affects the lungs. We aim at designing a highly efficient system to predict a user suffers from Pneumonia by analyzing the patient's chest X-ray images and increasing the accuracy of the system by use of CNN.

Keywords: VGG16, Keras, Tensorflow, Matplotlib, Flask

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