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Pneumonia Detection Using CNN

Dr. Mrunal Pathak[1], Suvidh Bhurat[2], Rohan Bhosale[3], Prathmesh Pawar[4]
Assistant Professor, Department of Information Technology
Students, Department of Information Technology[2,3,4]
AISSMS Institute of Information Technology, Pune, Maharashtra, India

Abstract: *The medical field is most sensitive domain of all the fields. Cause is deals with the human body human body parts. As the people are become advanced day by day and they move towards automation for their comfort. The machine is also being smarter and accurate due to the availability of a large amount of data and fast computing power. So as a result machine learning becomes an important pillar in life. People now become more reliable to machine than man decision. So, here we try to build machine learning model to detect pneumonia. Pneumonia is the leading death of cause among young children and one of the top major causes worldwide. The pneumonia is detected using examine of chest X-Ray radiograph by highly-trained specialists. This process is tedious and often leads to a disagreement between radiologists. Analyzing chest x-rays is a difficult task and requires precision. Pneumonia, a symptom of Covid-19, is a life-threatening condition 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, Tensors, Matplotlib, Flask

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