

Project Update

Project title:

Assessing the Feasibility of Diagnosis of Pneumonia using Chest X-Ray Images

Group Name: 3ml

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Group members: Krishnakanta Maity, Rajat Gaur, Saikat Patra

SL No: 2

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References

- [1] Nilanjan Dey, Yu-Dong Zhang, V Rajinikanth, R Pugalenth, and N Sri Madhava Raja. Customized vgg19 architecture for pneumonia detection in chest x-rays. *Pattern Recognition Letters*, 143:67–74, 2021.
- [2] Vikash Chouhan, Sanjay Kumar Singh, Aditya Khamparia, Deepak Gupta, Prayag Tiwari, Catarina Moreira, Robertas Damaševičius, and Victor Hugo C De Albuquerque. A novel transfer learning based approach for pneumonia detection in chest x-ray images. *Applied Sciences*, 10(2):559, 2020.
- [3] Tawsifur Rahman, Muhammad EH Chowdhury, Amith Khandakar, Khandaker R Islam, Khandaker F Islam, Zaid B Mahbub, Muhammad A Kadir, and Saad Kashem. Transfer learning with deep convolutional neural network (cnn) for pneumonia detection using chest x-ray. *Applied Sciences*, 10(9):3233, 2020.
- [4] Pranav Rajpurkar, Jeremy Irvin, Kaylie Zhu, Brandon Yang, Hershel Mehta, Tony Duan, Daisy Ding, Aarti Bagul, Curtis Langlotz, Katie Shpanskaya, et al. Chexnet: Radiologist-level pneumonia detection on chest x-rays with deep learning. *arXiv preprint arXiv:1711.05225*, 2017.