Final Project

This is a team activity.

CheXNet: Radiologist-level pneumonia detection on chest X-Rays with deep learning. A group at Stanford developed an algorithm which detects pneumonia from frontal-view chest X-ray images at a level exceeding practicing radiologist. They showed that a simple extension of their algorithm to detect multiple diseases outperforms previous state of the art on ChestX-ray14, the largest publicly available chest Xray dataset. With automation at the level of experts, this technology can improve healthcare delivery and increase access to medical imaging expertise in parts of the world where access to skilled radiologists is limited.

https://stanfordmlgroup.github.io/projects/chexnet

Task: Using similar approach as adopted by the Stanford group, propose your own idea to improve predictive outcome of pneumonia detection on chest X-Rays. This is an open-ended problem and you can be as creative as you want.

Deadline: 05/05/2019 send a report by email to dipanjan@illinois.edu