Detailed Business Case

India reported 43 million cases of Pneumonia last year. However, it has only about 10,000 radiologists for diagnosis. Hospitals are switching to tele-diagnostics instead. These services are expensive & not scalable. We aim to automate this process by replacing a radiologist with AI with focus on rural India to provide diagnosis, reduce cost and increase accessibility of pneumonia diagnosis, saving lives.

The cost of tele-diagnosis in Delhi ranges Rs. 400-500 at present, with an AI diagnosis system, the new cost would be negligible. This venture can then not only eliminate the consultancy cost of radiologists but also the middle man’s commission (recurring cost).

On deployment the storage in S3 comes at $ 0.023 per Gb & API Gateway effectively costing $0.20 per 1 million requests making the effective cost per X-ray image less than a rupee.

This system can be integrated into any SDK making it universally accessible and extremely scalable at the same time.