

Supriti Ghosh

Deep Features for the Evidence of Covid-19 Screening using Chest X-rays

Program: MSc in Computer Science

Supervisor: Dr. KC Santosh



→ **Covid-19**
Infected in the
Universe:
385,374,449 ↑

→ **USA Spend-**
\$4.6 Trillion

→ **UK Spend-**
\$557 Billion

→ **India Spend-**
\$31 Billion

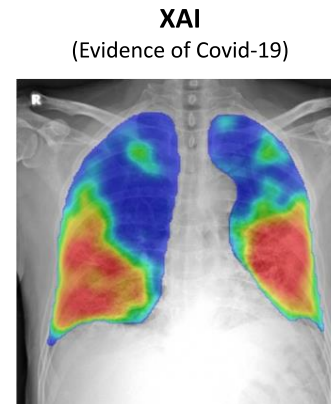
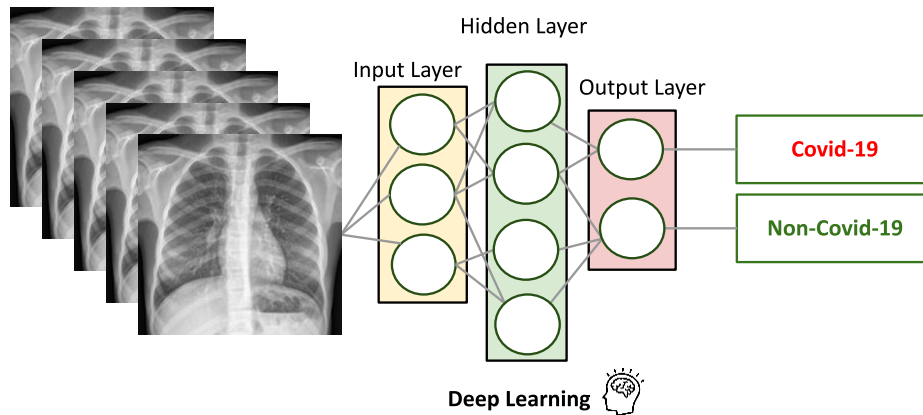


Table: Result of **2.3k Covid-19** and **2.3k Non-Covid-19** Dataset

$\mu \pm \sigma$	AUC	ACC	SPEC	SEN
CheXNet	99% \pm 0.008	98.45% \pm 0.011	98% \pm 0.013	99% \pm 0.007
DenseNet169	98% \pm 0.005	98.13% \pm 0.008	99% \pm 0.008	98% \pm 0.008
ResNet50	59% \pm 0.022	59.18% \pm 0.020	59% \pm 0.022	59% \pm 0.022
VggNet16	59% \pm 0.024	58.92% \pm 0.025	59% \pm 0.024	59% \pm 0.024