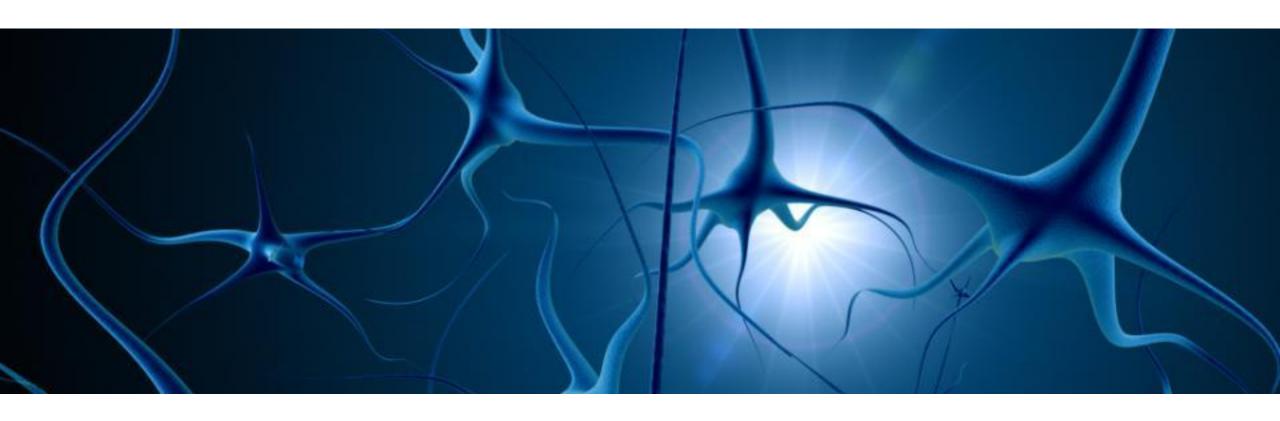


Al Revolution in Healthcare

Raymond Moh, Founder of Hanalytics.ai



AlphaGo - 3,000 Years of Human Knowledge in 40 Days



#Possible Moves = 10^170 #Atoms in the universe ~10^80

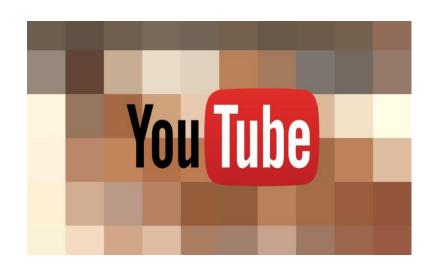


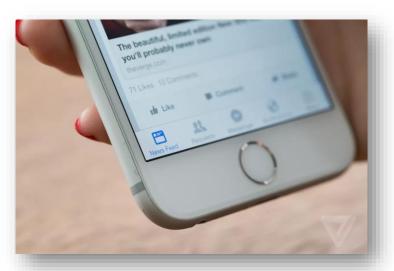
In 2016 AlphaGo beat Lee Sedol, 18-time world champion

In 2017, AlphaGo Zero, defeated AlphaGo Lee, in 3 days

Living with Artificial Intelligence

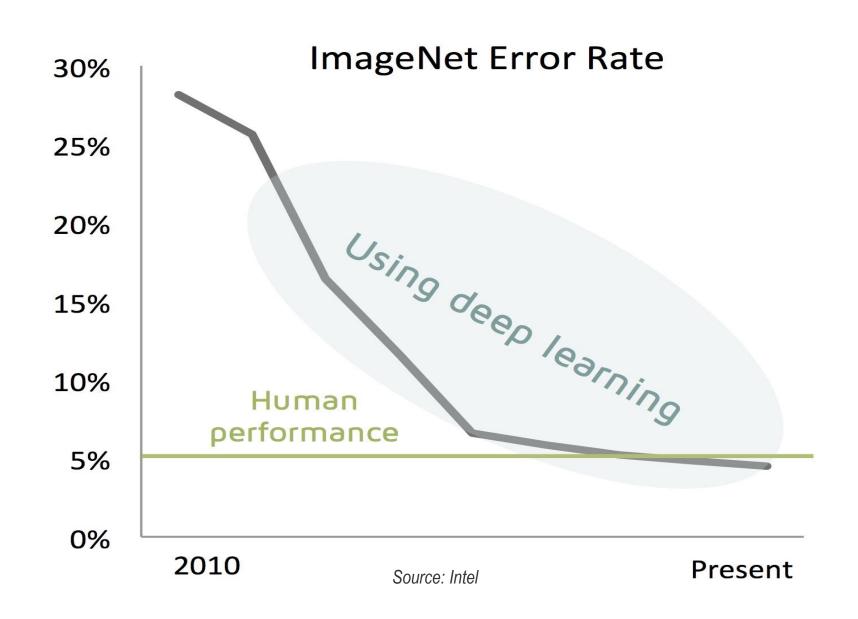




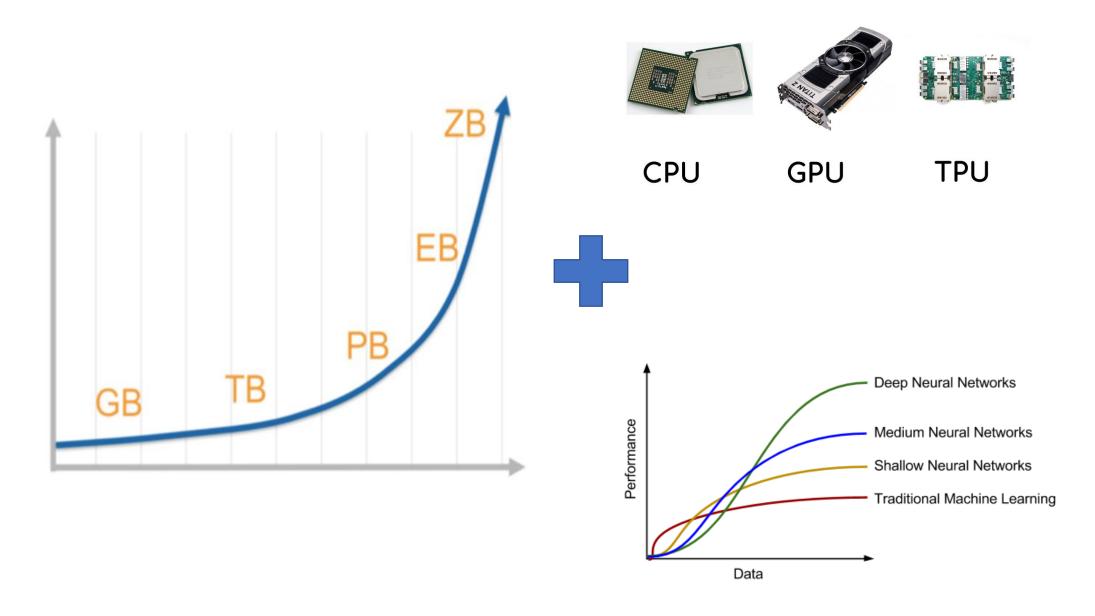




Exceeding Human Abilities



Exceeding Human Abilities



Global Healthcare Challenges



Global healthcare spend projected to reach **\$8.7 trillion** by 2020

Healthcare spending in the world's major regions will increase from 2.4 percent to **7.5 percent** between 2015 and 2020

Cardiovascular disease costs continue to rise for lower and middle-income countries



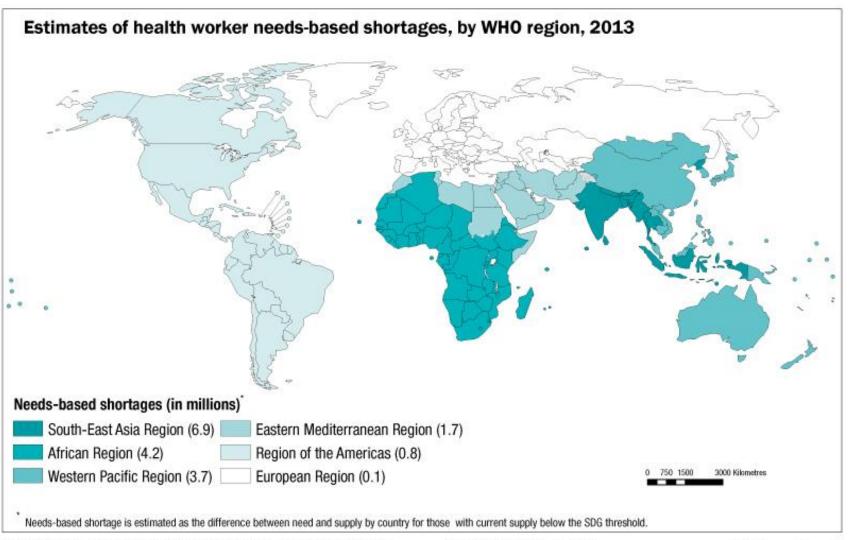
At least half of the world's population cannot obtain essential health services, according to a report from the World Bank and WHO

For almost **100 million people**, medical expenses are high enough to push them into extreme poverty, forcing them to survive on just \$1.90 or less a day



Long waiting times have been linked to inefficiencies in healthcare delivery, prolonged patient suffering and dissatisfaction among the public.

Global Shortage of Health Workers



It is estimated that the needsbased shortage of healthcare workers globally would be about 17.4 million of which almost 2.6 million are doctors and over 9 million are nurses and midwives.

The boundaries and names shown and the designations used on this map do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted and dashed lines on maps represent approximate border lines for which there may not yet be full agreement. © WHO 2017. All rights reserved. Data Source: World Health Organization Map production: Information Evidence and Research (IER) World Health Organization





Our Vision

Scale healthcare specialist expertise globally so that patients over the world can benefit from accurate diagnosis, lower costs, delivery speed and access.

"Doctors can for the first time use the predictive power of deep learning to directly improve patients' medical outcomes and saving hospitals' both time and money"

Hanalytics' Artificial Intelligence Research Centre

World's First Al Research Center in Neurological Disorders

"The use of Artificial Intelligence (AI) in neurological disease prevention, diagnosis, prognosis and recovery has unparalleled advantage over human doctors.

For this reason, there will soon be a technological revolution brought about by AI in the realm of neurological disorders."











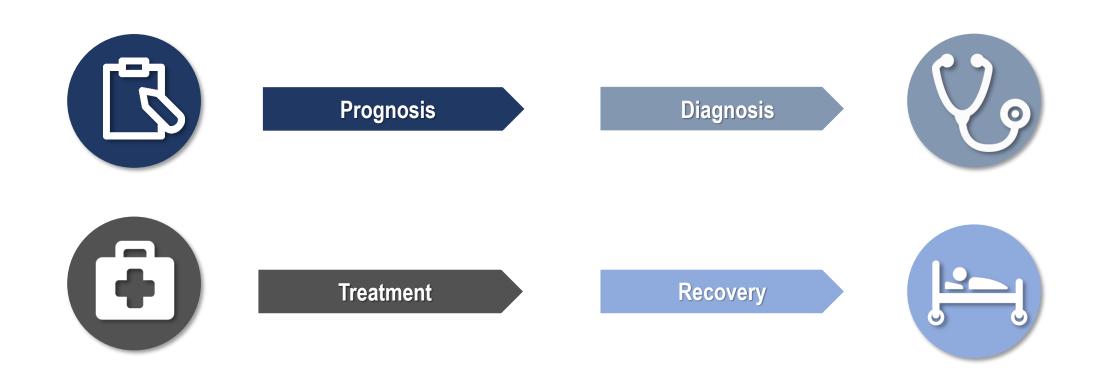
THE STRAITS TIMES



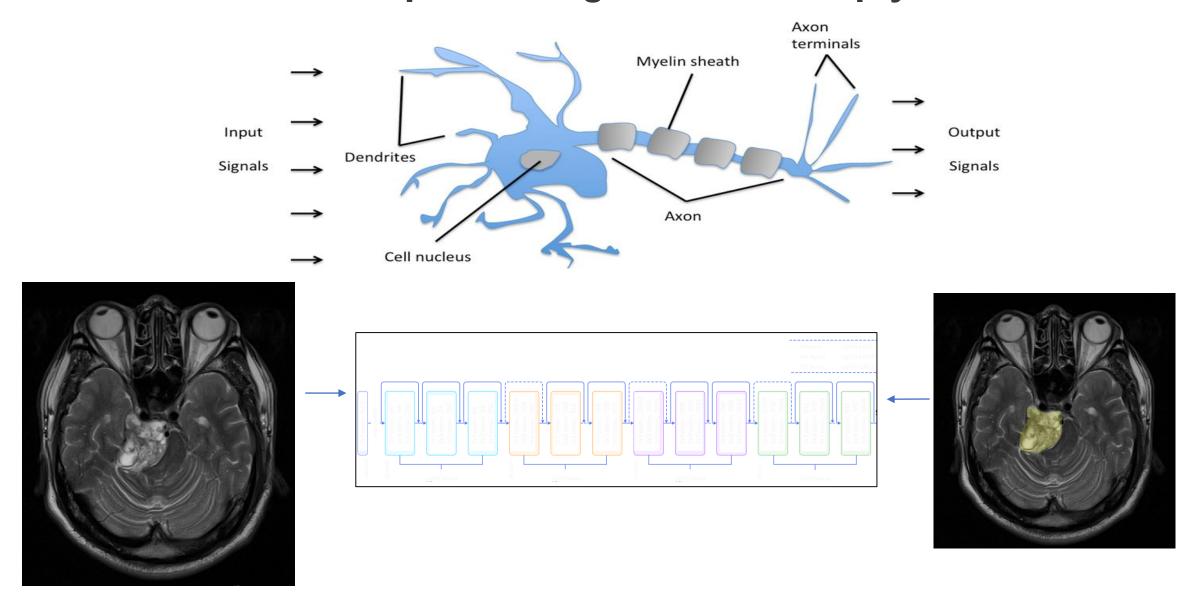




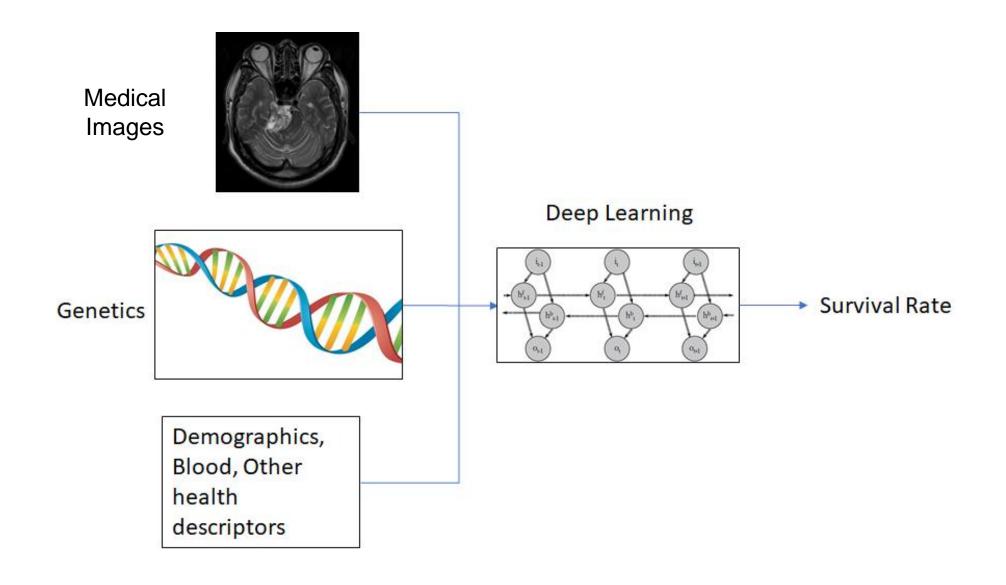
Our Al Applications



Deep Learning to Learn Deeply

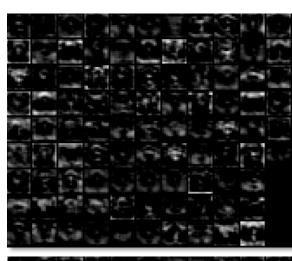


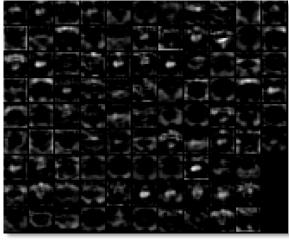
Prediction of Survival Rates

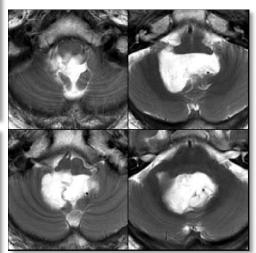


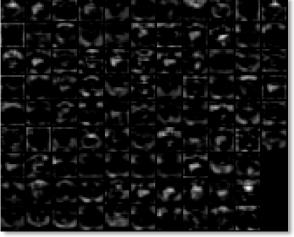
Diagnosis of Tumors

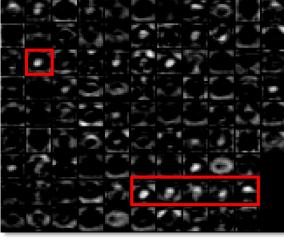




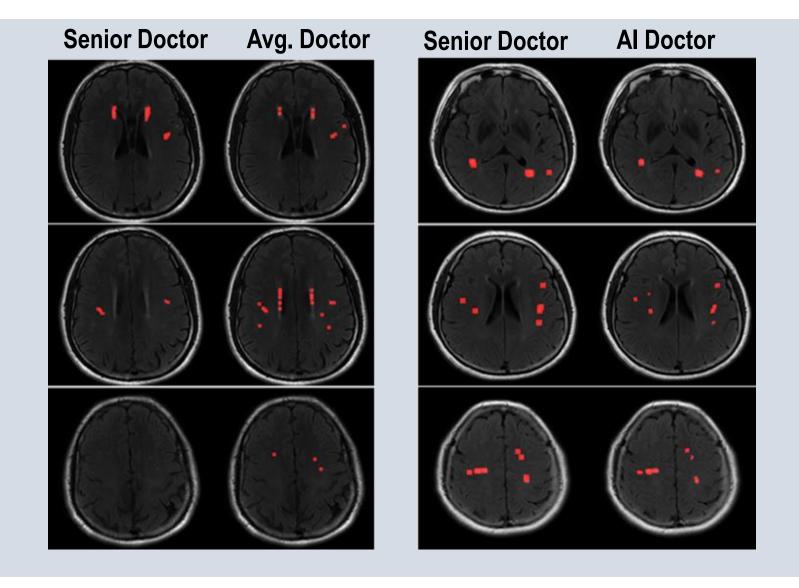




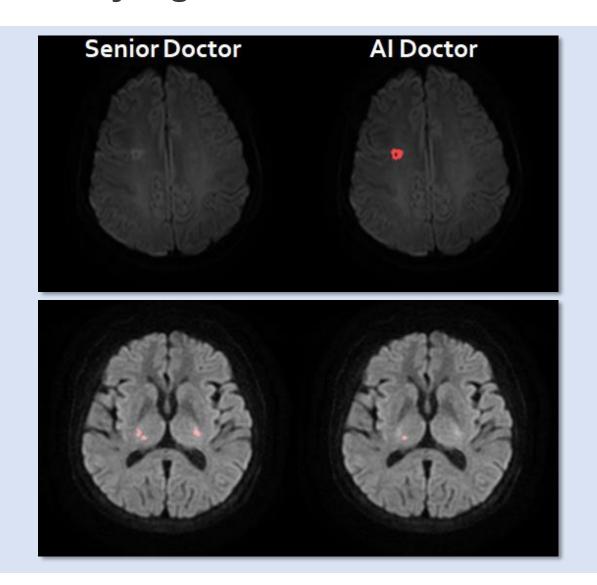




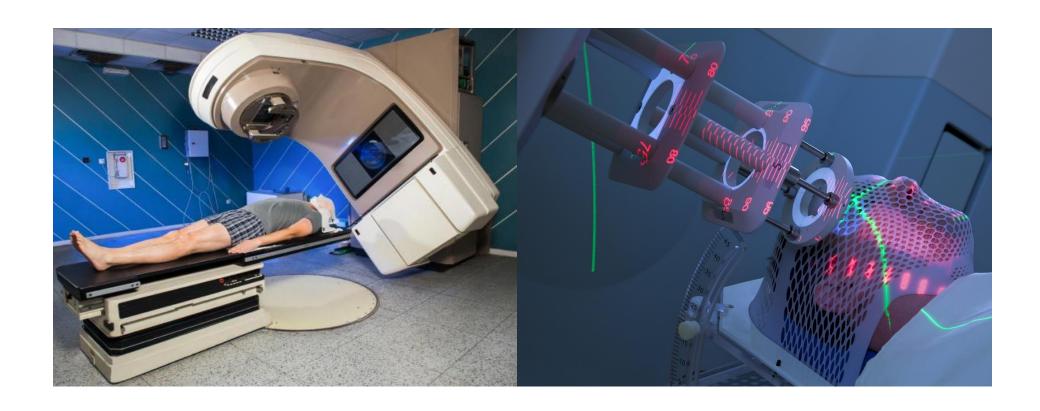
Identifying Blood Vessel Diseases



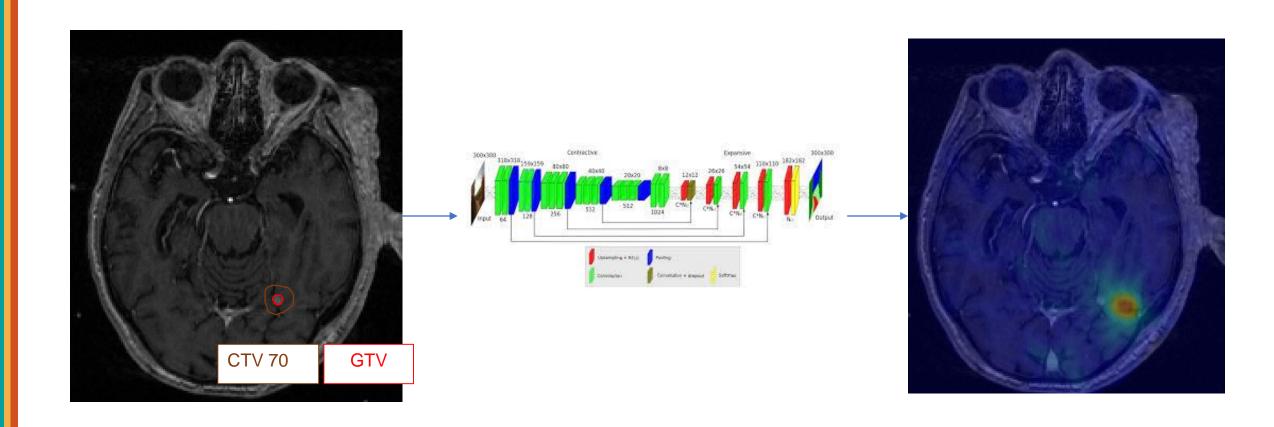
Identifying Blood Vessel Diseases



Al in Radiotherapy



Al in Radiotherapy

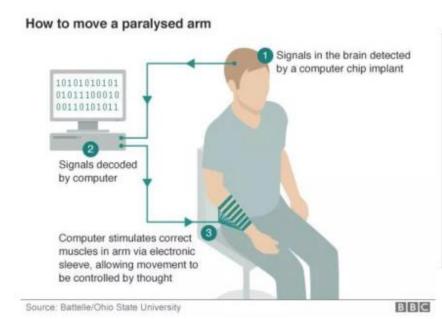


Rehabilitation Robot – Reinforcement Learning

Existing rehabilitation processes are very uncomfortable for stroke or nerve-impaired patients.

The recovery process many be slow, and require extensive amounts of financial and material resources to sustain.

With the application of Artificial Intelligence in the medical field, rehabilitation robots have been introduced to help patients regain mobility.





Our Presence







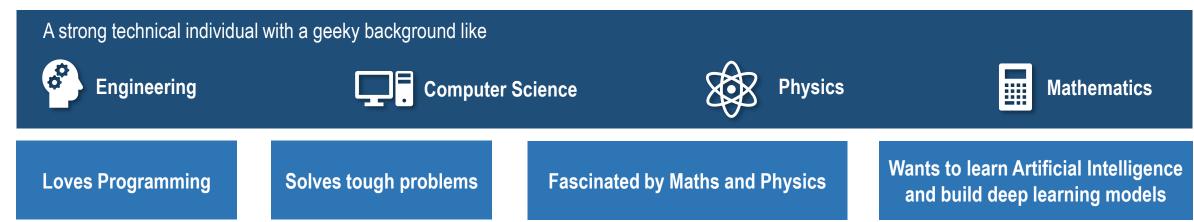






Machine Learning Associate Program (MLAP)

Who will impress us:



Some of the things you will learn:

Computer vision / image segmentation, Localization, Classification

Deep learning techniques, Research techniques, Paper writing

Tensorflow or Theano or Torch

Python, C++ or Java

Numpy, Pandas, Sklearn, Scipy, Seaborn Building deep learning models like RNN and CNN and other neural network models

Desired education:

Bachelor / Master / PhD in Engineering or Computer Science or Mathematics or Physics Machine learning background is not a requirement.

What We Offer

Learn and Master

The opportunity to work with, learn from and share knowledge with uber-smart colleagues in a culture Progression Path of collaboration and technical excellence. Well-defined tech career progression path. P Make a meaningful impact **Competitive Pay** Make a positive contribution to hospitals Monthly maintenance allowance, overseas and patients globally through AI. allowance, return airfare.



THANK YOU

