

Applications of ML in healthcare sector:

Data, analysis and innovations help countless patients. Some applications are given below:

① Identifying Diseases and Diagnosis:

These ailments are difficult to diagnose. This includes anything from cancer to other genetic diseases which are tough to catch. Eg. IBM Watson Genomics - integrating ~~long~~ cognitive computing with genome based tumor sequence can help in fast diagnosis.

② Drug discovery and Manufacturing:

It includes R&D technologies such as next generation sequencing and precision medicine which can help in finding alternative paths for therapy of multifactorial diseases.

③ Medical Image Diagnosis:

More visualization of data sources from varied medical imagery become a part of this AI-driven diagnostic process.

④ Personalized Medicine:

More effective by pairing individual health with predictive analytics and also beneficial for further research and disease assessment.

⑤ Smart Health Records:

Maintaining upto date health records is an exhaustive process. ML saves time, effort and money by using techniques such as OCR. recognition.

⑥ Clinical Trial and Research:

ML has several potential applications in this field. Predictive analysis is applied to identify potential clinical trial candidates using variety of data points.

⑦ Better Radiotherapy:

ML based algos learn from multitude of different samples, therefore it becomes easier to diagnose and find the variables.

⑧ Outbreak Prediction:

AI and ML techniques are used to monitor and predict epidemics and pandemics around the world.

⑨ Crowd sourced data collection:

This allows researchers and practitioners to access vast amount of information uploaded by people based on their own consent.