

Artificial intelligence in healthcare

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Conference healthcare Announcement

“Artificial intelligence (AI) in healthcare is the use of software algorithms in the analysis of complex medical data to approximate conclusions without direct human input. All over the world Healthcare is generating tremendous volume of structured & unstructured data through different IT systems & connected devices. Analysis of this data without support of computer algorithms is virtually impossible. With the advances in computer technology it has become possible to process this data and give a well-defined output to the end-user.

AI does this through machine learning algorithms, which can recognize patterns in behaviour and create its own logic. Before AI systems can be deployed in healthcare applications, they need to be ‘trained’ through data that are generated from clinical activities, such as screening, diagnosis, treatment assignment and so on, so that they can learn similar groups of subjects, associations between subject features and outcomes of interest. These clinical data often exist in but not limited to the form of demographics, medical notes, electronic recordings from medical devices, physical examinations and clinical laboratory and images.

We look at some specific real world examples in medical world where AI is playing an increasingly important role in bringing the benefits of technology to improve patient care. These include algorithms for analysis of radiology images, robotic surgery, virtual assistants and clinical decision support systems.

In 2015, misdiagnosing illness and medical error accounted for 10% of all US deaths. In light of that, the promise of improving the diagnostic process is one of AI's most exciting healthcare applications.

Incomplete medical histories and large case loads can lead to deadly human errors. Immune to those

Dr Ashish Dhawad is the Co-Founder and CEO of Medsynaptic which was started with a vision to develop innovative products by leveraging technology to enhance healthcare. As the CEO of Medsynaptic, Dr Ashish has been instrumental in defining strategies for the growth of the company by developing new products & entering new markets. Under his dynamic leadership, Medsynaptic has emerged as the industry leader in its business space. He has been responsible for several strategic alliances & the company's success in the fiercely competitive market both within India and abroad.

Dr Ashish is also the Co-Founder and COO of Telediagnosys which is a leading player in the International Teleradiology Services market providing radiology reporting services to clients in USA, Middle East and Africa. Dr Ashish is a known leader in the health and Healthcare IT space and is regularly invited as a speaker in international forums. He is also consulted by many research companies and media publications for his expertise Dr Ashish is a medical doctor with a post-graduation in Bioinformatics & Medical informatics from the renowned University of Pune and holds 2 patents.