

CAN AI HELP ME LIVE A 100 YEARS?

13 Ways AI will improve the quality and length of life

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Big Data - Medical treatment based on personal medical history as well as millions of other cases decades back.



Sensors in the home which can constantly test your breath for early signs of cancer.

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Robots inside your body.- An artificial pancreas that measures blood glucose using a sensor and delivers insulin, adjusting the dosage according to readings.



Nanobots in the bloodstream to consume plaque in your brain and dissolve blood clots before they lead to a heart attack.



Disease Identification/Diagnosis- Disease identification and diagnosis of ailments is at the forefront of Machine Learning research in medicine.

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Physicians will practice with AI virtual assistants which will provide real-time / ongoing support and recommendations to the physician for diagnosis and treatment, as well as administrative support.



Machine Learning and AI technologies are also being applied to monitoring and predicting epidemic outbreaks around the world, based on data collected from satellites, historical information on the web, real-time social media updates, and other sources.



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A healthcare startup in Boston has created an AI model to expedite development of new drugs, a process that usually takes years of research. Their AI model resolves the bottleneck in identifying the molecule compounds that bind the proteins causing the disease.



Robots using Machine Learning and AI technologies will perform dangerous/high-death-rate jobs such as industrial welding, ocean floor exploration, mining, etc.

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The market for AI in healthcare is projected to reach **\$6.6 BILLION BY 2021**

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Based on research conducted by a Director at the International Aging Research Portfolio who is also the CEO of bioinformatics company, Insilico Medicine, AI will be used to defeat aging and age-related illnesses.



Scientists from the Salk Institute in the US have made progress in their research on "reversing the age" by conducting successful experiments on mice.

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Virtual Private Assistants can help dementia patients stay on track with their prescribed medications by sending reminders.



Using AI, researchers at a medical institute in London have created a 3D heart scanning system that combines 30,000 different movements of the human heart with past 8 years of health records and predicts condition of the organ in next 5 years. Allowing for timely treatment and care initiatives.

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AI is enabling development of systems that will predict and mitigate impact of the natural disasters aiming to saving thousands of lives that would otherwise be lost due to chaos and absence of data.

For example AI systems specifically created for earth quake warning are being deployed on structures in cities prone to seismic activity.

