

Artificial Intelligence in Healthcare

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Abstract: *Personalized treatment plans, predictive analytics, early disease detection, and large-scale data analysis are made possible by artificial intelligence (AI) technologies including machine learning and natural language processing. Artificial intelligence (AI)-driven diagnostic techniques are speeding up and improving the accuracy of disease identification, from cancer to uncommon genetic abnormalities.*

The necessity for healthcare professionals to adapt to AI-driven procedures is one challenge, along with worries about data security and privacy, regulatory complexity, and regulatory complications. For these technologies to become more trustworthy, ethical issues pertaining to accountability, transparency, and bias in AI algorithms need to be addressed.

Healthcare will become more patient-centred and accessible as a result of the integration of AI with wearables, telemedicine, and electronic health records. Robotic operations, AI-powered virtual health assistants, and drug development platforms have the potential to completely transform the medical industry.

Keywords: Artificial Intelligence, Patients' care, Diseases, Healthcare, Robots.

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