

## **Artificial Intelligence Technologies Used in Healthcare: Its Implication on the Healthcare Workforce and Applications in the Diagnosis of Diseases**

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**Abstract :** This paper discusses important aspects of AI in the healthcare domain. The increase of data in healthcare both in size and complexity, opens more room for artificial intelligence applications. Our focus is to review the main AI methods within the scope of the health care domain. The results of the review show that recommendations for diagnosis and recommendations for treatment, patient engagement, and administrative tasks are the key applications of AI in healthcare. Understanding the potential of AI methods in the domain of healthcare would benefit healthcare practitioners and will improve patient outcomes.

**Keywords :** AI in healthcare, technologies of AI, neural network, future of AI in healthcare

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