Artificial Inteligence Healthcare

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Upskilling Data Analytics

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## **Introduction**

Artificial Intelligence is rapidly becoming a key part of many industries ranging from the technology industry to health care. This report will explore the role of artificial intelligence and machine learning in the health care industry.

## **What Is AI – Artificial Intelligence**

A computer system designed to learn and simulate the intelligence of humans.

## **The Potential of AI In Healthcare**

The integration of machine learning techniques in healthcare has garnered significant attention in recent years, offering the potential to revolutionize traditional systems and elevate value-based treatment. (Sarker, 2024)

## **What Can AI Do Now**

AI techniques, such as machine learning and deep learning, are being used to analyze structured and unstructured healthcare data. These techniques can identify patterns and trends in patient data that may not be immediately apparent to humans, enabling earlier diagnosis, treatment, and prognosis evaluation. (Rana, 2024)

## **Challenges and Limitations of AI**

While AI has many advantages it also has a lot of shortcomings. Machine learning is capable of intaking, condensing, and providing concise results, it however is incapable of making judgement calls and decisions that doctors are relied upon.

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