



AI IN E-HEALTH: LEGITIMATE IT BEFORE IT TAKES OVER

[A Digital Transformation Perspective]

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Abstract:

The intrusion of Artificial Intelligence (AI) in the healthcare sector is not something that can be ignored easily. Several AI platforms are available in the market now that perform non-critical, laborious, and human-intensive tasks with almost zero errors. AI is nothing new. I remember that in the mid and late 80s, AI was a hot research topic at top-notch universities. Chat Generative Pre-Trained Transformer (ChatGPT) has literally become the talk of the town. The platform has been built on Large Language Model (LLM) which is a deep learning algorithm that can recognize, summarize, translate, predict, and generate text and other content based on knowledge gained from massive datasets.

In the realm of health care, researchers have illustrated the use of ChatGPT to generate patient discharge summaries from a brief prompt. This process could reduce delays in discharge from secondary care without compromising on detail, freeing up valuable time for doctors to keep eye-contact communication with the patient. AI-based Radiology reporting is another dimension that can be beneficial both for radiologists and hospitals. The AI-embedded Computerized Physician Order Entry (CPOE) system is capable of automating the predefined medication and ancillary orders for predefined order sets. This can be of great value for chronic disease patients.

Despite its metamorphic growth, there are still some risks associated with its adoption in healthcare. Research has shown the use of Chat GPT for passing the medical council exam or writing a thesis without plagiarism can lead to major concern over its accuracy and authenticity.

The time has come to build an Ethical and Policy Body of Knowledge for the use of AI in Healthcare. Let us work fast to legitimate AI in eHealth otherwise, AI will outperform us. Join us Global eHealth Commission.

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