

# A Review on Transforming Pharma :The Rise of Artificial Intelligence (AI)

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**Abstract:** *The pharmaceutical industry is on the cusp of a revolution, thanks to Artificial Intelligence (AI). AI is a game-changer in the development of new medicines, making the process faster, cheaper, and more effective. This review takes a closer look at how AI is transforming the pharmaceutical industry.*

*We explore how AI is helping scientists discover new medicines, identify the right patients for clinical trials, and predict the safety and effectiveness of new treatments. We also discuss the challenges of using AI in pharmaceuticals, such as ensuring patient data is kept safe and secure.*

*Our review highlights the exciting potential of AI to improve the development of new medicines and improve patient outcomes. We also look at what the future holds for AI in pharmaceuticals and how it may change the way we develop and deliver medicines.*

*Overall, this review provides a comprehensive overview of the role of AI in pharmaceuticals and its potential to transform the industry and improve human health.*

**Keywords:** Artificial Intelligence (AI), Pharmaceutical Industry, Drug Discovery, Clinical Trials, Precision Medicine, Patient Outcomes, Data Security, Healthcare Technology