

A Review on Artificial Intelligence in Pharmacy

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Abstract: *Healthcare is one of the many industrial areas that use artificial intelligence (AI), a game-changing technology. AI has the ability to greatly enhance patient care and drug management in pharmacy practice. Numerous AI applications in pharmacy practice are examined in this research. Using AI technologies gives pharmacists access to systems and tools that support them in making precise, evidence-based healthcare decisions. Pharmacists can examine a lot of patient data, such as prescription profiles, lab findings, and medical records, by utilizing AI algorithms and machine learning, helping them to evaluate the safety and effectiveness of medications, spot any drug-drug interactions, and giving well-informed suggestions based on the needs of each patient. Numerous AI models have been created to help clinical decision support systems with medication-related tasks, forecast and identify adverse drug occurrences, relevant choices, streamline community pharmacy dispensing procedures, maximize drug doses, identify and prevent drug interactions, enhance adherence with smart technology, and errors, offer services for managing drug therapy, and assist with telemedicine projects.*

Health care providers can improve their decision-making abilities and offer patients individualized treatment by integrating AI into clinical practice. More cooperation between various healthcare services offered to a single patient is made possible by AI. AI could be a helpful tool for patients, offering advice on helping with patient education, encouraging medication adherence, and teaching patients when and how to take their medications may be used to determine the best way to communicate and where to find the most affordable healthcare. With medical experts, maximize health monitoring with wearable technology, and offer daily life style and health advice, and combine exercise and nutrition.

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