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A STUDY ON THE TRANSFORMATIVE ROLE OF ARTIFICIAL INTELLIGENCE IN HEALTHCARE, EDUCATION, AND ONLINE SHOPPING

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ABSTRACT

Artificial Intelligence (AI) is reshaping several critical industries, including healthcare, education, and online shopping. By leveraging AI technologies such as machine learning, natural language processing (NLP), and computer vision, these sectors are experiencing significant transformations. In healthcare, AI improves diagnostic accuracy, enables personalized medicine, and optimizes treatment plans. In education, AI is enhancing personalized learning and automating administrative tasks. Meanwhile, in online shopping, AI drives personalized recommendations, improves customer service, and optimizes product discovery. This paper explores the latest findings from 2023-2024 to assess AI's impact on these sectors, discusses its potential, and highlights the challenges, including ethical concerns and the need for effective regulation.

KEYWORDS *Artificial Intelligence, Healthcare, Education, Online Shopping, AI Algorithms*

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