

Role of AI in Personalized Education

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Abstract: *Personalized Education is based on individual interest, learning styles and self-pace. It provides more focused and self-directed learning. Education system is advanced in different aspects hence personalized education provides adaptive learning through online resources and interactive tools. This article investigate how adaptive learning systems are integrated with artificial intelligence (AI) for personalized education. It examines the benefits, drawbacks of AI based personalized education over the traditional personalized education. It examines how AI facilitates personalized learning paths, allowing students to progress at their own pace while receiving targeted interventions and immediate feedback. This paper provides survey of current AI uses in personalize education and future predictions of AI uses in education. Furthermore, the paper highlights key applications of transformer- based models in various domains, including healthcare, finance, and education.*

Keywords: AI, Education, Interactive Tools, Adaptive, potential.

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