

AI in Education: Personalizing Learning Experiences and Outcomes

Quinn Hall

PhD

University of Copenhagen

Nørregade 10, 1165 København, Denmark

Morgan Turner

Dr.

University of Auckland

Auckland 1010, New Zealand

Robin Roberts

Prof.

National University of Singapore

21 Lower Kent Ridge Rd, Singapore 119077

Abstract. This study explores the application of artificial intelligence in education, focusing on personalizing learning experiences and outcomes. By leveraging AI algorithms, educational tools can adapt to individual learning styles and paces, enhancing student engagement and achievement. The article discusses the benefits and challenges of implementing AI in educational settings, emphasizing the need for data privacy and equitable access to technology.

Keywords: Artificial Intelligence, Education, Personalized Learning, Student Engagement, AI Algorithms

Introduction

Artificial intelligence (AI) is poised to transform the educational landscape by personalizing learning experiences and improving outcomes. Through the use of AI algorithms, educational tools can tailor content to fit individual learning styles and paces, thereby enhancing student engagement and achievement. This article examines the application of AI in education, highlighting the benefits of personalized learning and the challenges related to data privacy and equitable access to technology. By addressing these issues, we can create more inclusive and effective educational environments. The potential of AI to revolutionize education is vast, but careful implementation is essential to maximize its positive impact.

This is a preliminary version. To read the full version of the article, please purchase a subscription.

References

1. Kumar, Nitin, and Vipin Kataria. "Enhanced Sentiment Classification using a Multi-layered Stacked Ensemble Architecture."
2. KUMAR, Nitin; KATARIA, Vipin. Enhanced Sentiment Classification using a Multi-layered Stacked Ensemble Architecture.