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(57) Abstract :
The integration of neural networks and deep learning into education represents a transformative paradigm shift, promising to revolutionize traditional learning methods. This abstract explores the multifaceted implications of implementing neural networks in education, focusing on personalized learning enhancement, improved educational outcomes, real-time feedback, and the fostering of technological literacy. Leveraging advanced data analytics and predictive modeling, neural-enhanced educational platforms adapt learning experiences to cater to individual students' needs, preferences, and learning styles. The result is a dynamic and responsive educational ecosystem that not only identifies areas of strength and weakness but also provides timely feedback and interventions. Such an approach is posited to lead to improved academic performance and a comprehensive understanding of subjects. Moreover, the integration of neural networks fosters technological literacy by exposing students to cutting-edge technologies like artificial intelligence, preparing them for the demands of an increasingly digital world. As educational institutions embark on this transformative journey, the abstract emphasizes the potential for neural networks to unleash deep learning's full potential in shaping the future of education.

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