

Application of deep learning technology in intelligent traffic prediction

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Abstract: In the context of the rapid development of information technology and networks, applying deep learning to improve the quality of traffic prediction has become urgent. This project aims to build an intelligent prediction system for traffic using machine learning models. The research method combines theory with experimentation, focusing on training and optimizing deep neural networks. The expected result is a useful solution for urban traffic management, contributing to reducing traffic congestion and improving the operational efficiency of the traffic system.

Keywords: Deep learning, traffic prediction, machine learning model, traffic management, optimization