

Shortest Route Optimization using ML

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Abstract: *Route optimization is a critical problem in transportation and logistics. One of the most important challenges in this field is the optimization of short routes. In recent years, machine learning techniques have shown great promise in solving this problem. The aim of this research paper is to provide a comprehensive overview of the use of machine learning in short route optimization, their advantages and disadvantages, and potential applications. The paper will cover different machine learning techniques such as reinforcement learning, supervised learning, and unsupervised learning. The effectiveness of these techniques will be evaluated based on various criteria such as accuracy, scalability, and practicality. Finally, some real-world applications of machine learning-based short route optimization will be discussed.*

Keywords: Machine Learning, Dijkstra's Algorithm.

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