Multi-Agent System for Dynamic Traffic Control and Optimization

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1 Introduction

2 Abstract

3 Conclusion

The main idea is to develop a multi-agent system that focuses on dynamic traffic control to reduce traffic congestion in real time through multiple intelligent agents. The agents will use computer vision for real time data collection and use machine learning for data analysis. MAS agents will be capable of predicting traffic flow patterns, including congestion and accidents, enabling proactive corrective actions.