

Design and construction of a self-driving car model

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Abstract: In the context of increasing reliance on autonomous vehicles, this project focuses on designing and constructing a self-driving car model with the goal of addressing traffic safety and energy efficiency issues. Through a combination of theoretical research and experimentation, the project aims to build a machine learning-based driving guidance system to improve the control capabilities of autonomous vehicles. The results of this project not only contribute to the field of automotive technology but also open up potential for widespread application in the transportation industry.

Keywords: self-driving cars, machine learning, traffic safety