PROJECT DEVELOPMENT PHASE

SOLUTION PERFOMANCE

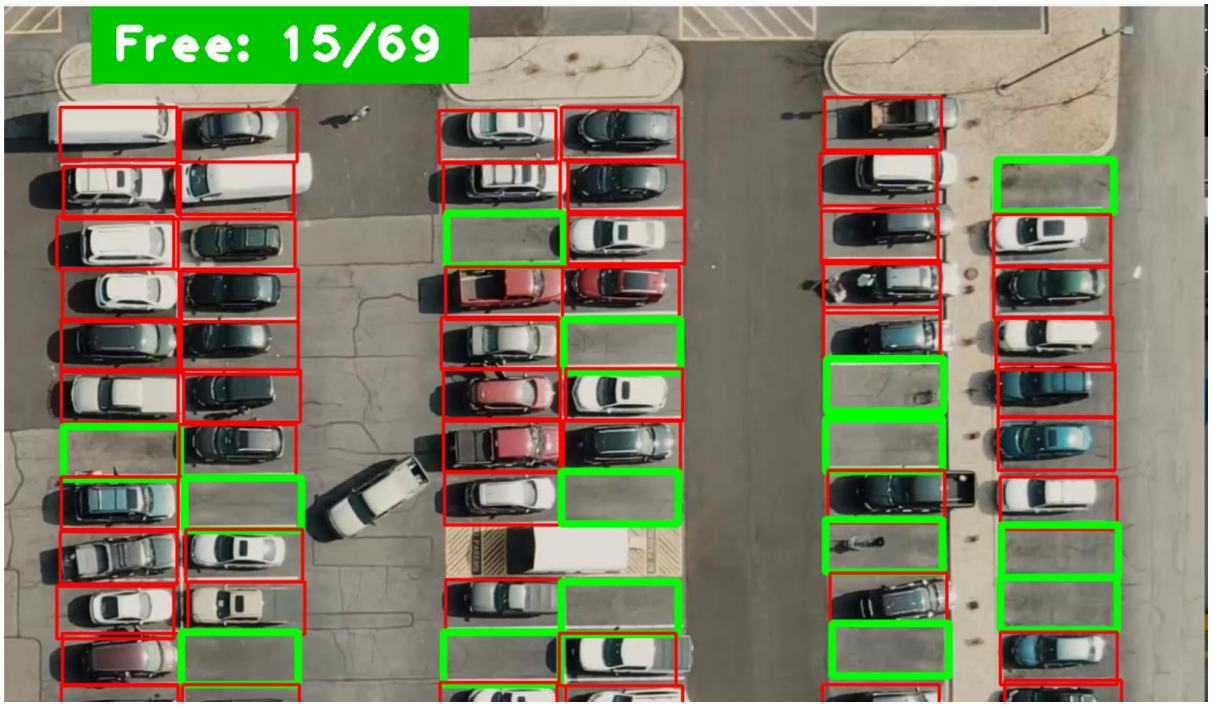
Date	22/11/2023
Team ID	Team-592404
Project Name	AI Enabled CAR Parking Using OPENCV
Maximum Marks	10 Marks

AI ENABLED CAR PARKING USING OPEN CV:

AI-enabled car parking systems, harnessing the power of OpenCV, are a game-changer in modern urban mobility. By employing computer vision and machine learning, these systems detect, monitor, and optimize parking spaces. OpenCV facilitates real-time object recognition, space occupancy tracking, and license plate recognition. This not only simplifies the parking process for drivers but also enhances security and revenue for operators. With the ability to guide drivers to available spots and automate payment, these systems reduce congestion, save time, and minimize environmental impact. However, they come with initial implementation costs and privacy considerations. Nevertheless, AI-enabled car parking using OpenCV represents a smart, data-driven solution for efficient and convenient parking management in our increasingly crowded cities.

MODEL PERFORMANCE TESTING

Metrics are used to monitor and measure the performance of a model (during training and testing), and don't need to be differentiable. However, if, for some tasks, the performance metric is differentiable, it can also be used as a loss function (perhaps with some regularizations added to it), such as MSE.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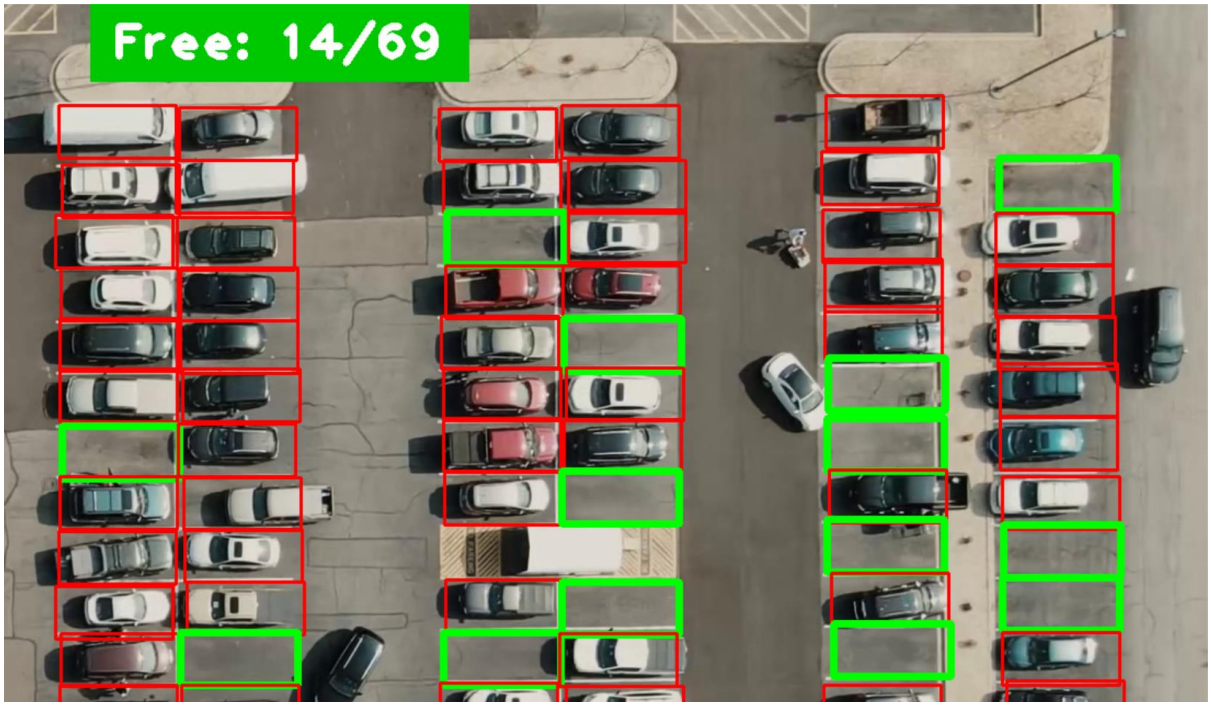
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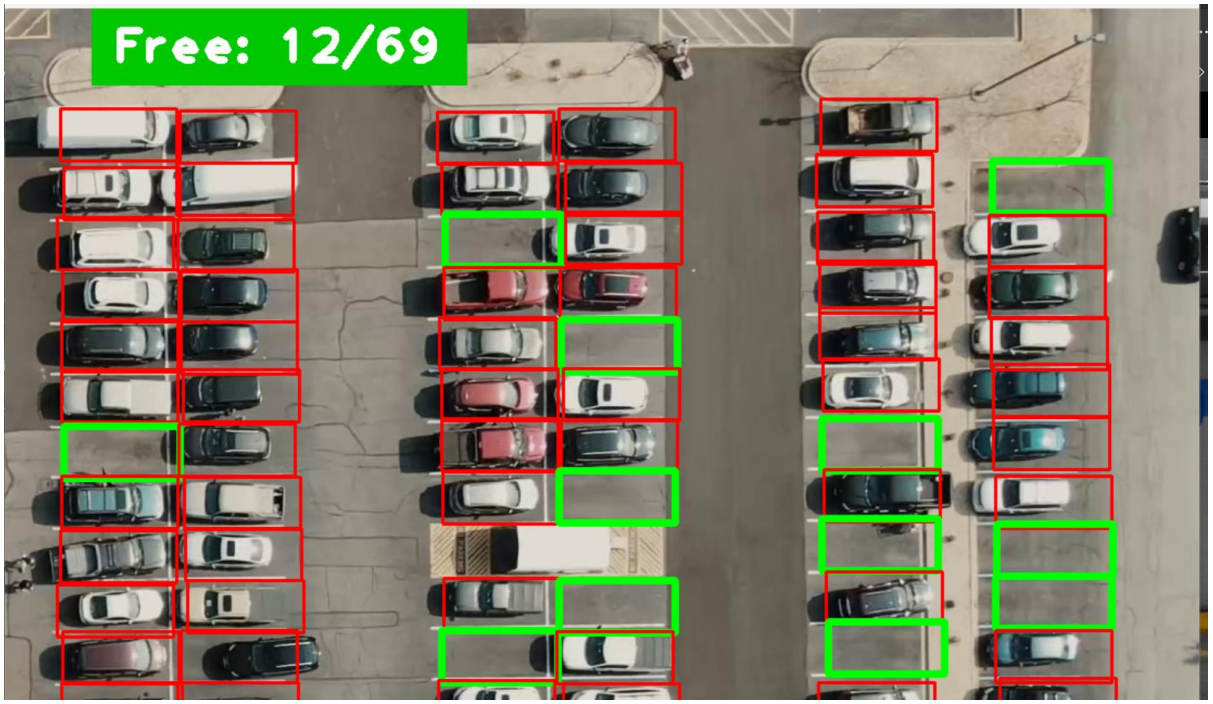
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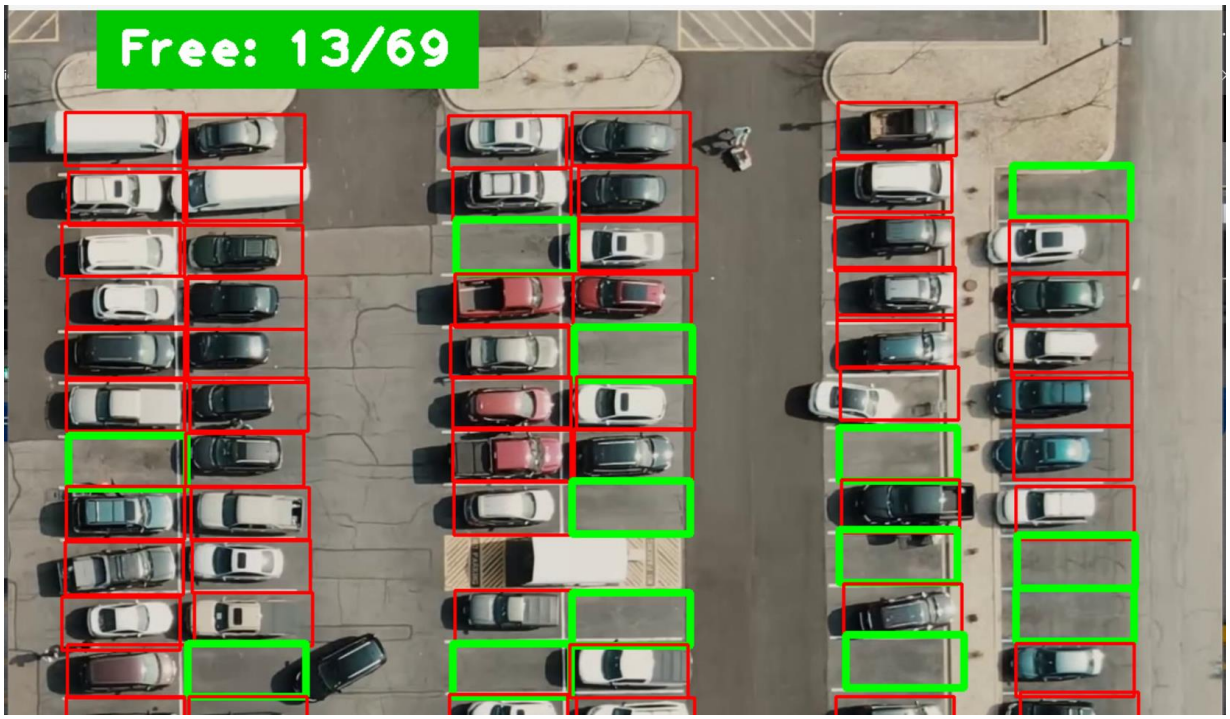
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