



CAR IDENTIFICATION USING YOLOv5

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ABSTRACT

Cars are everywhere, and for a good reason—they're practical, stylish, and a big part of daily life. Whether it's getting to work, running errands, or handling deliveries, cars have become essential. Over the years, they've evolved a lot, with cutting-edge technology and sleek designs making them even more impressive. But let's be honest, how many times have you seen a car on the street and wondered, "What brand or model is that?" It's even trickier with older or rare cars that aren't as recognizable.

That's where this idea comes in—a mobile app that helps you identify cars using just your phone camera. The app uses a smart object detection algorithm called YOLO (You Only Look Once) to analyze the shape and features of a car and determine its type and brand. All you need to do is point your camera at the car, and the app will show the details instantly. You can also upload a photo from your gallery to learn more about a car you've seen before.

This app is designed to be simple and practical, making it easy for anyone to use, whether you're a car enthusiast or just curious. It combines modern technology with everyday convenience, offering a quick and fun way to learn more about the cars around you.

Keywords: Car Recognition, YOLO, Object Detection

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