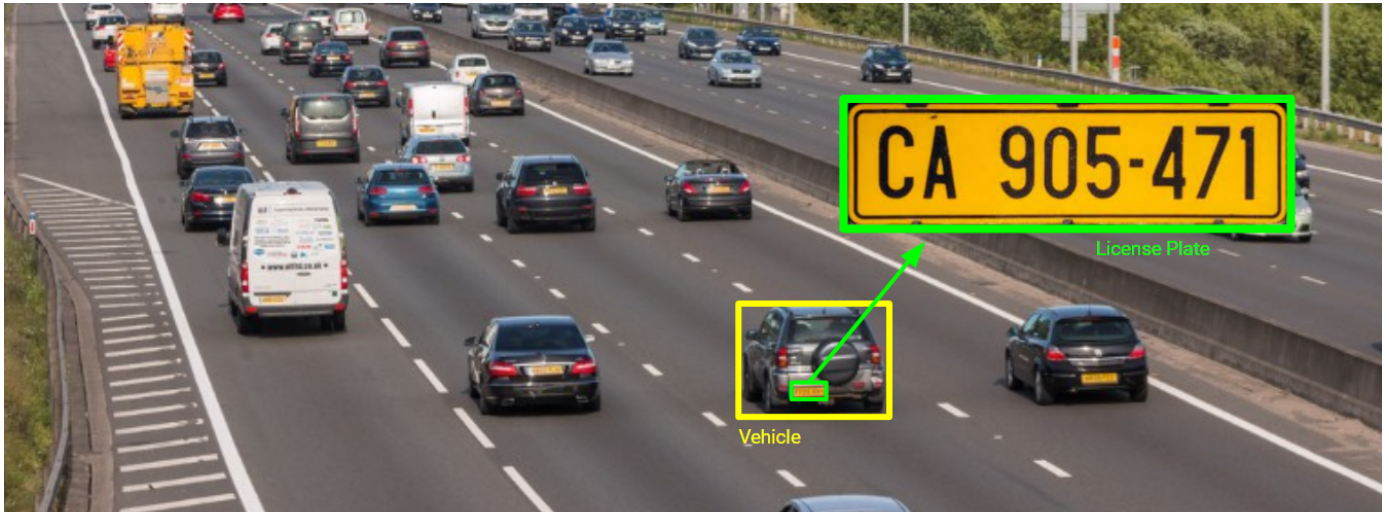


Mobile Object Detection

Client Case Study



FIRSTSTEP.AI APPLICATIONS

- FirstStep.ai Designer
- Annotation Tool
- Object Detection
- TF Model Training
- INT8 Quantization
- Download & Deploy

"FirstStep.ai models are highly optimized and offer performance & accuracy that we **didn't dream were possible** on basic devices when we started the project"

"FirstStep.ai saved us hours of painstaking work. We had the flexibility to **rapidly iterate** and test new AI models"

Director

(undisclosed client)

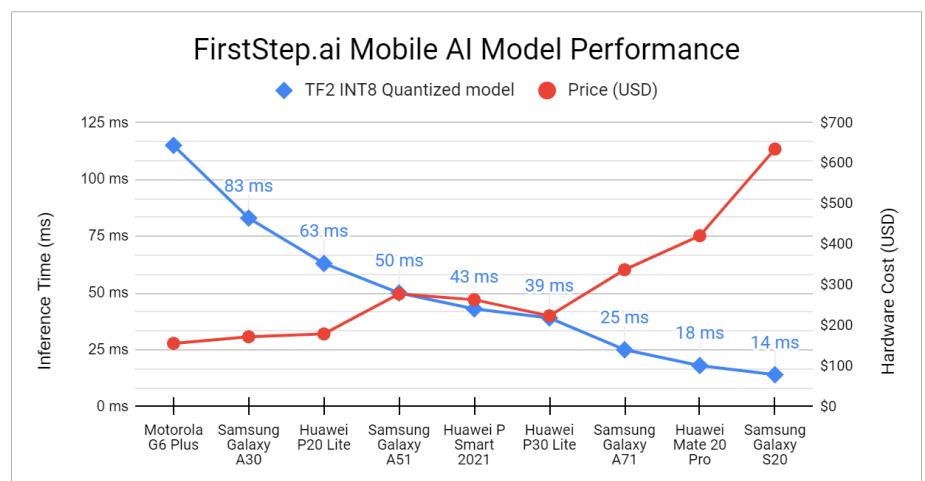
High-Performance Mobile AI

Problem Statement:

Our client was looking to automatically detect vehicles and license plates using an off-the-shelf mobile phone. Fixed cameras are limited in their AI capabilities, and our client wanted to build a **low-cost solution** that out-performed license plate detection (LPD) technology available in the market.

FirstStep.ai Solution:

Our AI model training uses high-accuracy TF2 MobileNet SSD base models, trained on your dataset using transfer learning and fine tuning, compressed into INT8 quantized models. Our models perform AI object detection (inference) in just **14ms per image** on high-end mobile devices. Performance is device dependent.



Contact: sales@firststep.ai