



UNIVERSITÀ DEGLI STUDI DI VERONA

Computer Vision Course Project

Neural Network Optimization for Mobile Deployment

Artificial Intelligence Master's degree

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1 | Motivation

As smartphones continue to be ubiquitous, the popularity of mobile Machine Learning (ML) is on the rise due to the increasing power of devices. Mobile applications encompass a wide range of intelligent features, including visual filters and voice assistants. Nevertheless, the computation requirements of Deep Neural Network (DNN) inference pose a challenge, as devices often struggle to balance responsiveness with the demands of running complex intelligence tasks.

Bibliography