

Building an object recognition application on iOS devices

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Abstract: In the context of the increasing demand for image recognition technology on mobile devices, this topic focuses on building an application capable of recognizing and classifying objects through the camera of iOS devices. The goal of the research is to develop an AI-based system to improve user experience in various fields such as e-commerce, healthcare, and education. The method combines machine learning theory with experimental deployment of the application on a mobile platform. It is expected that the completion of this topic will significantly contribute to the development of mobile image recognition technology and promote its widespread practical application.

Keywords: IOS application, Object detection, AI technology, Image exploration, Mobile platform