

Building a plant classification application on Android devices.

Tran Van Truong

Abstract: In the context of the rapid development of mobile technology and its application in biodiversity conservation, this study focuses on building an Android application to support users in identifying tree species. The main objective is to create an automatic classification system based on images captured by a mobile device's camera. The research method is carried out through data collection, image processing, and machine learning model development. The expected results of this study not only provide an effective technical solution but also contribute to raising community awareness about tree conservation.

Keywords: Plant classification, Android, Machine learning, Biodiversity conservation, Mobile application