

Tree identification using convolutional neural networks

Nguyen Tri Dung

Abstract: In the practical application of information technology, plant identification is an important but also very complex problem. This project focuses on researching and implementing a plant identification system based on convolutional neural networks (CNN). The objective of the research is to build an effective model that can accurately identify plant species from images. The research process includes both theoretical analysis of CNN and experimentation with real data to evaluate the system's performance. The expected results will have significant implications for agriculture and the environment, contributing to improved management and protection of crops.

Keywords: Plant identification, Convolutional Neural Network (CNN), Experiment