Project: Android App for leaf classification using mobile net

The Leaf Classification Android app is a machine learning application that uses MobileNet, a popular pre-trained deep learning model, to classify leaf species based on leaf images. The app is built using Kotlin, a modern programming language designed for Android app development.

The app uses the camera of the mobile device to capture leaf images, which are then analyzed by the MobileNet model to identify the species of the leaf. The app provides real-time feedback to the user on the classification results, displaying the top predictions for the species of the leaf.

The following is a list of some of the technologies and packages used in the development of the Leaf Classification Android app:

Technology/Package	Description
Kotlin	A modern programming language used for Android app development
Android Studio	An integrated development environment (IDE) for Android app development
TensorFlow Lite	An open-source deep learning framework for mobile and embedded devices
MobileNet	A pre-trained deep learning model for image classification
CameraX	A Jetpack support library for camera app development
Glide	An image loading and caching library for Android
Material Components for Android	A design system that helps implement Google's Material Design guidelines

Overall, the Leaf Classification Android app provides a powerful and user-friendly tool for identifying leaf species using deep learning techniques. The app is built using modern technologies and programming languages, making it a highly efficient and effective tool for leaf classification.