AirPic

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Overview

To capture moments effortlessly with an intuitive gesture-powered photo experience that sets a new standard in camera interaction.

Tech Stack

App Development

Android Studio - IDE
Kotlin - Programming Language
Android CameraX - API
Jetpack Compose - UI
Coil - Extracting Images

Hand Gesture and Face Recognition

Tensorflow's Keras API - Smile Detection
VGG16 (Visual Geometry Group 16) - a pre-trained feature extractor to capture image patterns, enhancing the model's ability to detect smiles.

Timeline

Project Limitations

Demo

We will be demonstrating the following models

- AirPic: The App
- Smile Detection Model
- Palm Detection Model
- Gesture Model for Zooming In and Out

Future Scope

1. Develop our project into an iOS App

2. Enrich user experience by incorporating intuitive gestures like turning on the video or activating the timer.

3. Transform our project into a vibrant social platform, fostering connections and collaboration.

4. Extend the reach of our project by creating a web app for seamless accessibility.

Conclusion & Thank You

We value and appreciate your feedback.