**Readme File**

**Requirements**

* Python
* Jupyter Notebook,VS Code
* Tensorflow
* Streamlit
* Open CV

**Steps of building this project**

1. Use OpenCv to collect the images for dataset.
2. Then label these images using LabelImg tool of python.
3. After that split these images into training and testing data.
4. The next step is to create a model for training and for that first setup all the paths.
5. Then create label map where each label will contain a unique id.
6. Create TF records using Tensorflow API.
7. Download Tensorflow pertained models from tensorflow model.
8. Copy the model config to training folder.
9. Update this config file for transfer learning.
10. Train the model by executing the code in terminal.
11. Final step is to load the model from checkpoint and now our model will detect the gestures in real time.