The data preprocessing. In this part, what we are going to do is we are going to convert all our images from the folders that we have, the width mask and without mask into arrays, so that with those arrays, we will create a deep learning model. So just, I am just Ne inside the train mass detector pi. So create a file called train mass detector pi. And these are my imports. I will tell you what are these imports as we go through the code.

Going down there is my directory. So inside my directory, I

mentioned where my dataset folder is actually present. And there is this categories inside categories. I am having two values called with mask and without mask, which are actually the folders that is present inside this directory. So inside this directory there are two folders called with mask and without mask. And we are going to look through this. And I just mentioned print loading images so that we have context on what's happening. And there are two lists I have created two lists called data and labels. Both are empty list. And inside this data, I'm going to upend all my image arrays inside this data list. And inside this label's list, I'm going to append all those corresponding image which are. So basically they contain the label of those images, indicating whether those images are with mask images or without mask images. And after that, I'm looping through the categories. Inside categories list, there are two values with mask and without mask. going to loo through this category.

what I'm

what I'm going to do is go to path. And with os dot path join, I'm joining the directory and the category. So you can see the directory here is the data set folder inside which there is two values called width mask and without mask. So what I am doing is I am first looping through the width mask, and then I am going to loop through the without mask And once that is done, once I get the.

once I get the.

With

With mask or without mask, what I'm going to do is I'm going to do olisk there. So what list there does is it kind of list down all the images inside that particular directory. So with mask inside with mask, there are around 1900 images, which will be listed by this particular os listed method

And after that,

I am going to join the parts of this.