The model followed a dense neural network algorithm

<u>About dense neural network</u>
The dense layer is a neural network layer that is connected deeply, which means each neuron in the dense layer receives input from all neurons of its previous layer.

The neural network was modelled with the help of popular ML library tensorflow.

<u>About NN layers</u>
1. The first layer was made as a flatten layer which, as the name suggest flattens the input i.e makes the input uni-dimensional
2. The second layer is a dense layer, meaning each neuron from the previous layer is connected to every other neuron of the current layer. It has 128 neurons, with the rectifier activation function(ReLu).
3. The output layer is also a dense layer, with 10 neurons one for each genre.

The extended model has one more layer, the softmax layer, which gives different probabilities of the input belonging to different classes of the outputs.