BEST PREPARATION AND METHOD :

The images are loaded with Image of PIL format and resized using ANTIALIAS for it is the best for high quality photos to not loose their value. It is based of a high quality convolutions-based algorithm with flexible kernel. Then the images are run through a CNN model.

The metrics were set to increase accuracy and was optimized using Adam optimizer. Callbacks were used to get the peak of accuracy and extract not the last trained model in the epoch but the best.

OTHER PREPS ANALYZED:

1)
Images were loaded using Matplotlib and other libraries.

2)
Different methods of resizing other than ANTIALIAS were used on the PIL format.

OTHER METHODS ANALYZED :

1)
SVC (SVM model for Classification was tested)

2)
Other variations of CNN models were tested with different layers, Dropouts, Regularizations to reduce overfitting, different optimizers were tested to reduce loss and different metrics were tested to increase F1 score specifically.