

INPUT: Colour Image

Face Extractor
(using
pretrained
CNN)

Preprocessing

Resize Layer (resize to 224 x 224)

Residual Block

... ***ResNet50***

CNN layer 50, trainable

Flatten

Dense, leaky reLU, 200

Dense, leaky reLU, 100

Dense, leaky reLU, 100

Dense, leaky reLU, 100

Dense, leaky reLU, 50

Dense, leaky reLU, 50

Dense, leaky reLU, 50

Dense, leaky reLU, 50

Dense, softmax, 2

OUTPUT