PNT2022TMID50371

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 "outputs": [],
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  "from keras.preprocessing.image import ImageDataGenerator\n",
"train_datagen=ImageDataGenerator(rescale=1./255,shear_range=0.2,zoom_range=0.2,horizontal_flip=
True)\n",
  "test_datagen=ImageDataGenerator(rescale=1./255)"
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"name": "stdout",
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  "text": [
   "Found 15750 images belonging to 9 classes.\n"
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 "source": [
  "x\_train = train\_datagen.flow\_from\_directory(r'C:\Users\\conversation\ engine)
for deaf and dumb
(1)\\Dataset/training_set',target_size=(64,64),batch_size=300,class_mode='categorical',color_mode=\"g
rayscale\")"
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  "name": "stdout",
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  "text": [
   "Found 2250 images belonging to 9 classes.\n"
  ]
  }
```

```
],
 "source": [
  "x\_test = test\_datagen.flow\_from\_directory(r'C:\Users\\schit\\Downloads\\conversation engine for
deaf and dumb
(1)\\Dataset\\test_set',target_size=(64,64),batch_size=300,class_mode='categorical',color_mode=\"gra
yscale\")"
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  "from keras.models import Sequential\n",
  "from keras.layers import Dense\n",
  "from keras.layers import Convolution2D\n",
  "from keras.layers import MaxPooling2D\n",
  "from keras.layers import Dropout\n",
  "from keras.layers import Flatten"
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 "model = Sequential()"
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 "model.add(Convolution2D(32,(3,3),input_shape=(64,64,1), activation='relu'))"
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 "model.add(MaxPooling2D(pool_size=(2,2)))"
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 "model.add(Flatten())"
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