(base) C:\Users\srika\PycharmProjects\Classifier>python project15finalmodel.py

2021-02-22 11:46:01.399428: I tensorflow/stream\_executor/platform/default/dso\_loader.cc:49] Successfully opened dynamic library cudart64\_110.dll

Classes:

{1: 'car\_horn', 3: 'dog\_bark', 2: 'children\_playing', 0: 'air\_conditioner', 5: 'engine\_idling', 7: 'jackhammer', 6: 'gun\_shot', 9: 'street\_music', 4: 'drilling', 8: 'siren', 10: 'Elephant

'}

0.7272071699039023 0.7076759199039023

2021-02-22 11:46:35.524913: I tensorflow/compiler/jit/xla\_cpu\_device.cc:41] Not creating XLA devices, tf\_xla\_enable\_xla\_devices not set

2021-02-22 11:46:35.530981: I tensorflow/stream\_executor/platform/default/dso\_loader.cc:49] Successfully opened dynamic library nvcuda.dll

2021-02-22 11:46:35.595163: I tensorflow/core/common\_runtime/gpu/gpu\_device.cc:1720] Found device 0 with properties:

pciBusID: 0000:01:00.0 name: GeForce GTX 1660 Ti with Max-Q Design computeCapability: 7.5

coreClock: 1.335GHz coreCount: 24 deviceMemorySize: 6.00GiB deviceMemoryBandwidth: 268.26GiB/s

2021-02-22 11:46:35.595408: I tensorflow/stream\_executor/platform/default/dso\_loader.cc:49] Successfully opened dynamic library cudart64\_110.dll

2021-02-22 11:46:35.639008: I tensorflow/stream\_executor/platform/default/dso\_loader.cc:49] Successfully opened dynamic library cublas64\_11.dll

2021-02-22 11:46:35.639422: I tensorflow/stream\_executor/platform/default/dso\_loader.cc:49] Successfully opened dynamic library cublasLt64\_11.dll

2021-02-22 11:46:35.662753: I tensorflow/stream\_executor/platform/default/dso\_loader.cc:49] Successfully opened dynamic library cufft64\_10.dll

2021-02-22 11:46:35.669049: I tensorflow/stream\_executor/platform/default/dso\_loader.cc:49] Successfully opened dynamic library curand64\_10.dll

2021-02-22 11:46:35.704919: I tensorflow/stream\_executor/platform/default/dso\_loader.cc:49] Successfully opened dynamic library cusolver64\_10.dll

2021-02-22 11:46:35.718910: I tensorflow/stream\_executor/platform/default/dso\_loader.cc:49] Successfully opened dynamic library cusparse64\_11.dll

2021-02-22 11:46:35.720646: W tensorflow/stream\_executor/platform/default/dso\_loader.cc:60] Could not load dynamic library 'cudnn64\_8.dll'; dlerror: cudnn64\_8.dll not found

2021-02-22 11:46:35.720731: W tensorflow/core/common\_runtime/gpu/gpu\_device.cc:1757] Cannot dlopen some GPU libraries. Please make sure the missing libraries mentioned above are installed

properly if you would like to use GPU. Follow the guide at https://www.tensorflow.org/install/gpu for how to download and setup the required libraries for your platform.

Skipping registering GPU devices...

2021-02-22 11:46:35.723175: I tensorflow/core/platform/cpu\_feature\_guard.cc:142] This TensorFlow binary is optimized with oneAPI Deep Neural Network Library (oneDNN) to use the following

CPU instructions in performance-critical operations: AVX2

To enable them in other operations, rebuild TensorFlow with the appropriate compiler flags.

2021-02-22 11:46:35.724499: I tensorflow/core/common\_runtime/gpu/gpu\_device.cc:1261] Device interconnect StreamExecutor with strength 1 edge matrix:

2021-02-22 11:46:35.724558: I tensorflow/core/common\_runtime/gpu/gpu\_device.cc:1267]

2021-02-22 11:46:35.724593: I tensorflow/compiler/jit/xla\_gpu\_device.cc:99] Not creating XLA devices, tf\_xla\_enable\_xla\_devices not set

Model: "sequential"

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Layer (type) Output Shape Param #

=================================================================

conv2d (Conv2D) (None, 30, 30, 32) 896

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max\_pooling2d (MaxPooling2D) (None, 15, 15, 32) 0

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conv2d\_1 (Conv2D) (None, 13, 13, 64) 18496

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max\_pooling2d\_1 (MaxPooling2 (None, 6, 6, 64) 0

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

flatten (Flatten) (None, 2304) 0

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

dense (Dense) (None, 64) 147520

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dense\_1 (Dense) (None, 11) 715

=================================================================

Total params: 167,627

Trainable params: 167,627

Non-trainable params: 0

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2021-02-22 11:46:35.881730: I tensorflow/compiler/mlir/mlir\_graph\_optimization\_pass.cc:116] None of the MLIR optimization passes are enabled (registered 2)

Epoch 1/100

1424/1424 [==============================] - 5s 3ms/step - loss: 2.3662 - accuracy: 0.1767 - val\_loss: 2.1984 - val\_accuracy: 0.2389

Epoch 2/100

1424/1424 [==============================] - 4s 3ms/step - loss: 2.1332 - accuracy: 0.2709 - val\_loss: 1.9348 - val\_accuracy: 0.2629

Epoch 3/100

1424/1424 [==============================] - 4s 3ms/step - loss: 1.9666 - accuracy: 0.2870 - val\_loss: 1.8688 - val\_accuracy: 0.3042

Epoch 4/100

1424/1424 [==============================] - 4s 3ms/step - loss: 1.9029 - accuracy: 0.3191 - val\_loss: 1.8241 - val\_accuracy: 0.3419

Epoch 5/100

1424/1424 [==============================] - 4s 3ms/step - loss: 1.8316 - accuracy: 0.3454 - val\_loss: 1.7825 - val\_accuracy: 0.3395

Epoch 6/100

1424/1424 [==============================] - 4s 3ms/step - loss: 1.7605 - accuracy: 0.3807 - val\_loss: 1.7407 - val\_accuracy: 0.3629

Epoch 7/100

1424/1424 [==============================] - 4s 3ms/step - loss: 1.6958 - accuracy: 0.3995 - val\_loss: 1.7322 - val\_accuracy: 0.3754

Epoch 8/100

1424/1424 [==============================] - 4s 3ms/step - loss: 1.6347 - accuracy: 0.4360 - val\_loss: 1.7295 - val\_accuracy: 0.3647

Epoch 9/100

1424/1424 [==============================] - 4s 3ms/step - loss: 1.5980 - accuracy: 0.4396 - val\_loss: 1.7208 - val\_accuracy: 0.4162

Epoch 10/100

1424/1424 [==============================] - 4s 3ms/step - loss: 1.5274 - accuracy: 0.4618 - val\_loss: 1.6949 - val\_accuracy: 0.4048

Epoch 11/100

1424/1424 [==============================] - 4s 3ms/step - loss: 1.4780 - accuracy: 0.4792 - val\_loss: 1.6732 - val\_accuracy: 0.4000

Epoch 12/100

1424/1424 [==============================] - 4s 3ms/step - loss: 1.4291 - accuracy: 0.4975 - val\_loss: 1.6706 - val\_accuracy: 0.4222

Epoch 13/100

1424/1424 [==============================] - 4s 3ms/step - loss: 1.4096 - accuracy: 0.5105 - val\_loss: 1.6478 - val\_accuracy: 0.3868

Epoch 14/100

1424/1424 [==============================] - 4s 3ms/step - loss: 1.3746 - accuracy: 0.5236 - val\_loss: 1.6717 - val\_accuracy: 0.3749

Epoch 15/100

1424/1424 [==============================] - 4s 3ms/step - loss: 1.3449 - accuracy: 0.5368 - val\_loss: 1.6559 - val\_accuracy: 0.4323

Epoch 16/100

1424/1424 [==============================] - 4s 3ms/step - loss: 1.3250 - accuracy: 0.5476 - val\_loss: 1.6271 - val\_accuracy: 0.4138

Epoch 17/100

1424/1424 [==============================] - 4s 3ms/step - loss: 1.2820 - accuracy: 0.5545 - val\_loss: 1.6176 - val\_accuracy: 0.4162

Epoch 18/100

1424/1424 [==============================] - 4s 3ms/step - loss: 1.2555 - accuracy: 0.5679 - val\_loss: 1.6228 - val\_accuracy: 0.4335

Epoch 19/100

1424/1424 [==============================] - 4s 3ms/step - loss: 1.2208 - accuracy: 0.5872 - val\_loss: 1.6051 - val\_accuracy: 0.4299

Epoch 20/100

1424/1424 [==============================] - 4s 3ms/step - loss: 1.2117 - accuracy: 0.5909 - val\_loss: 1.5788 - val\_accuracy: 0.4551

Epoch 21/100

1424/1424 [==============================] - 4s 3ms/step - loss: 1.1676 - accuracy: 0.6041 - val\_loss: 1.5651 - val\_accuracy: 0.4850

Epoch 22/100

1424/1424 [==============================] - 4s 3ms/step - loss: 1.1316 - accuracy: 0.6128 - val\_loss: 1.5158 - val\_accuracy: 0.4473

Epoch 23/100

1424/1424 [==============================] - 4s 3ms/step - loss: 1.0893 - accuracy: 0.6323 - val\_loss: 1.5115 - val\_accuracy: 0.4653

Epoch 24/100

1424/1424 [==============================] - 4s 3ms/step - loss: 1.0725 - accuracy: 0.6394 - val\_loss: 1.5545 - val\_accuracy: 0.4802

Epoch 25/100

1424/1424 [==============================] - 4s 3ms/step - loss: 1.0528 - accuracy: 0.6453 - val\_loss: 1.4709 - val\_accuracy: 0.5012

Epoch 26/100

1424/1424 [==============================] - 4s 3ms/step - loss: 1.0179 - accuracy: 0.6530 - val\_loss: 1.4995 - val\_accuracy: 0.4844

Epoch 27/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.9760 - accuracy: 0.6715 - val\_loss: 1.5115 - val\_accuracy: 0.5150

Epoch 28/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.9558 - accuracy: 0.6883 - val\_loss: 1.5325 - val\_accuracy: 0.4838

Epoch 29/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.9370 - accuracy: 0.6810 - val\_loss: 1.4161 - val\_accuracy: 0.5407

Epoch 30/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.9099 - accuracy: 0.6960 - val\_loss: 1.4516 - val\_accuracy: 0.5287

Epoch 31/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.8797 - accuracy: 0.7019 - val\_loss: 1.4106 - val\_accuracy: 0.5527

Epoch 32/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.8772 - accuracy: 0.7064 - val\_loss: 1.5998 - val\_accuracy: 0.5102

Epoch 33/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.8390 - accuracy: 0.7264 - val\_loss: 1.4603 - val\_accuracy: 0.5509

Epoch 34/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.7870 - accuracy: 0.7405 - val\_loss: 1.4529 - val\_accuracy: 0.5317

Epoch 35/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.7978 - accuracy: 0.7312 - val\_loss: 1.4072 - val\_accuracy: 0.5521

Epoch 36/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.7662 - accuracy: 0.7450 - val\_loss: 1.3881 - val\_accuracy: 0.5659

Epoch 37/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.7740 - accuracy: 0.7363 - val\_loss: 1.4237 - val\_accuracy: 0.5701

Epoch 38/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.7433 - accuracy: 0.7466 - val\_loss: 1.4534 - val\_accuracy: 0.5647

Epoch 39/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.7560 - accuracy: 0.7455 - val\_loss: 1.4298 - val\_accuracy: 0.5371

Epoch 40/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.7183 - accuracy: 0.7607 - val\_loss: 1.4566 - val\_accuracy: 0.5623

Epoch 41/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.6907 - accuracy: 0.7700 - val\_loss: 1.4333 - val\_accuracy: 0.5790

Epoch 42/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.6830 - accuracy: 0.7731 - val\_loss: 1.3670 - val\_accuracy: 0.5826

Epoch 43/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.6806 - accuracy: 0.7691 - val\_loss: 1.3574 - val\_accuracy: 0.6150

Epoch 44/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.6442 - accuracy: 0.7892 - val\_loss: 1.3751 - val\_accuracy: 0.5856

Epoch 45/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.6227 - accuracy: 0.7953 - val\_loss: 1.3768 - val\_accuracy: 0.6359

Epoch 46/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.6297 - accuracy: 0.7806 - val\_loss: 1.5912 - val\_accuracy: 0.5383

Epoch 47/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.6093 - accuracy: 0.7960 - val\_loss: 1.4530 - val\_accuracy: 0.5581

Epoch 48/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.6063 - accuracy: 0.7962 - val\_loss: 1.3722 - val\_accuracy: 0.6060

Epoch 49/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.5853 - accuracy: 0.8000 - val\_loss: 1.3595 - val\_accuracy: 0.6180

Epoch 50/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.5725 - accuracy: 0.8058 - val\_loss: 1.4711 - val\_accuracy: 0.5605

Epoch 51/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.5723 - accuracy: 0.8147 - val\_loss: 1.4074 - val\_accuracy: 0.6150

Epoch 52/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.5583 - accuracy: 0.8112 - val\_loss: 1.4368 - val\_accuracy: 0.5934

Epoch 53/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.5463 - accuracy: 0.8160 - val\_loss: 1.4472 - val\_accuracy: 0.6024

Epoch 54/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.5282 - accuracy: 0.8201 - val\_loss: 1.5060 - val\_accuracy: 0.6120

Epoch 55/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.5262 - accuracy: 0.8208 - val\_loss: 1.5603 - val\_accuracy: 0.5515

Epoch 56/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.5072 - accuracy: 0.8301 - val\_loss: 1.4233 - val\_accuracy: 0.6240

Epoch 57/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.4912 - accuracy: 0.8402 - val\_loss: 1.3678 - val\_accuracy: 0.6461

Epoch 58/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.5070 - accuracy: 0.8389 - val\_loss: 1.4838 - val\_accuracy: 0.5964

Epoch 59/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.4780 - accuracy: 0.8430 - val\_loss: 1.4758 - val\_accuracy: 0.6030

Epoch 60/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.4566 - accuracy: 0.8548 - val\_loss: 1.4573 - val\_accuracy: 0.6263

Epoch 61/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.4780 - accuracy: 0.8470 - val\_loss: 1.6319 - val\_accuracy: 0.5874

Epoch 62/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.4626 - accuracy: 0.8451 - val\_loss: 1.4022 - val\_accuracy: 0.6497

Epoch 63/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.4449 - accuracy: 0.8569 - val\_loss: 1.4704 - val\_accuracy: 0.6251

Epoch 64/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.4348 - accuracy: 0.8598 - val\_loss: 1.5292 - val\_accuracy: 0.6251

Epoch 65/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.4342 - accuracy: 0.8644 - val\_loss: 1.4543 - val\_accuracy: 0.6371

Epoch 66/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.4254 - accuracy: 0.8598 - val\_loss: 1.5260 - val\_accuracy: 0.6132

Epoch 67/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.4405 - accuracy: 0.8585 - val\_loss: 1.4865 - val\_accuracy: 0.6365

Epoch 68/100

1424/1424 [==============================] - 5s 3ms/step - loss: 0.4145 - accuracy: 0.8644 - val\_loss: 1.4954 - val\_accuracy: 0.6305

Epoch 69/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.4060 - accuracy: 0.8677 - val\_loss: 1.5989 - val\_accuracy: 0.6263

Epoch 70/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.3903 - accuracy: 0.8740 - val\_loss: 1.4839 - val\_accuracy: 0.6557

Epoch 71/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.3889 - accuracy: 0.8717 - val\_loss: 1.5231 - val\_accuracy: 0.6377

Epoch 72/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.3643 - accuracy: 0.8795 - val\_loss: 1.5622 - val\_accuracy: 0.6281

Epoch 73/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.3827 - accuracy: 0.8815 - val\_loss: 1.5345 - val\_accuracy: 0.6407

Epoch 74/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.3562 - accuracy: 0.8819 - val\_loss: 1.5384 - val\_accuracy: 0.6485

Epoch 75/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.3629 - accuracy: 0.8806 - val\_loss: 1.8015 - val\_accuracy: 0.6096

Epoch 76/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.3675 - accuracy: 0.8807 - val\_loss: 1.5563 - val\_accuracy: 0.6335

Epoch 77/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.3614 - accuracy: 0.8816 - val\_loss: 1.5919 - val\_accuracy: 0.6503

Epoch 78/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.3326 - accuracy: 0.8936 - val\_loss: 1.5330 - val\_accuracy: 0.6359

Epoch 79/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.3410 - accuracy: 0.8883 - val\_loss: 1.5386 - val\_accuracy: 0.6497

Epoch 80/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.3289 - accuracy: 0.8973 - val\_loss: 1.5946 - val\_accuracy: 0.6347

Epoch 81/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.3078 - accuracy: 0.8942 - val\_loss: 1.5988 - val\_accuracy: 0.6090

Epoch 82/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.3149 - accuracy: 0.8936 - val\_loss: 1.7093 - val\_accuracy: 0.5958

Epoch 83/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.3098 - accuracy: 0.9040 - val\_loss: 1.7530 - val\_accuracy: 0.5988

Epoch 84/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.2918 - accuracy: 0.9091 - val\_loss: 1.7808 - val\_accuracy: 0.6048

Epoch 85/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.2981 - accuracy: 0.9027 - val\_loss: 1.6108 - val\_accuracy: 0.6425

Epoch 86/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.2808 - accuracy: 0.9096 - val\_loss: 1.7183 - val\_accuracy: 0.6329

Epoch 87/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.2937 - accuracy: 0.9070 - val\_loss: 1.6481 - val\_accuracy: 0.6389

Epoch 88/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.2727 - accuracy: 0.9144 - val\_loss: 1.7089 - val\_accuracy: 0.6246

Epoch 89/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.2661 - accuracy: 0.9165 - val\_loss: 1.7676 - val\_accuracy: 0.6192

Epoch 90/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.2857 - accuracy: 0.9084 - val\_loss: 1.8360 - val\_accuracy: 0.6090

Epoch 91/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.2796 - accuracy: 0.9065 - val\_loss: 1.6703 - val\_accuracy: 0.6353

Epoch 92/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.2561 - accuracy: 0.9151 - val\_loss: 2.0648 - val\_accuracy: 0.5784

Epoch 93/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.2526 - accuracy: 0.9213 - val\_loss: 1.9752 - val\_accuracy: 0.6000

Epoch 94/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.2593 - accuracy: 0.9126 - val\_loss: 1.8163 - val\_accuracy: 0.6198

Epoch 95/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.2541 - accuracy: 0.9152 - val\_loss: 1.7257 - val\_accuracy: 0.6377

Epoch 96/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.2422 - accuracy: 0.9231 - val\_loss: 1.7791 - val\_accuracy: 0.6305

Epoch 97/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.2303 - accuracy: 0.9294 - val\_loss: 1.8138 - val\_accuracy: 0.6299

Epoch 98/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.2239 - accuracy: 0.9278 - val\_loss: 1.9257 - val\_accuracy: 0.6114

Epoch 99/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.2348 - accuracy: 0.9241 - val\_loss: 1.7920 - val\_accuracy: 0.6383

Epoch 100/100

1424/1424 [==============================] - 4s 3ms/step - loss: 0.2158 - accuracy: 0.9297 - val\_loss: 1.8038 - val\_accuracy: 0.6515

53/53 - 0s - loss: 1.8038 - accuracy: 0.6515

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------MODEL PREDICTIONS---------

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Filename Actual\_Result Model\_Predicted\_Result

0 135526-6-0-0.wav gun\_shot gun\_shot

1 135526-6-1-0.wav gun\_shot gun\_shot

2 135526-6-2-0.wav gun\_shot gun\_shot

3 135526-6-3-0.wav gun\_shot gun\_shot

4 135526-6-4-0.wav gun\_shot gun\_shot

5 135526-6-5-0.wav gun\_shot gun\_shot

6 135526-6-6-0.wav gun\_shot gun\_shot

7 135526-6-7-0.wav gun\_shot gun\_shot

8 135526-6-8-0.wav gun\_shot gun\_shot

9 135526-6-9-0.wav gun\_shot gun\_shot

10 203929-7-3-10.wav jackhammer jackhammer

11 203929-7-3-2.wav jackhammer jackhammer

12 203929-7-3-3.wav jackhammer jackhammer

13 203929-7-3-5.wav jackhammer jackhammer

14 203929-7-3-9.wav jackhammer jackhammer

15 344-3-0-0.wav dog\_bark dog\_bark

16 344-3-1-0.wav dog\_bark dog\_bark

17 344-3-4-0.wav dog\_bark dog\_bark

18 344-3-5-0.wav dog\_bark dog\_bark

19 518-4-0-0.wav drilling drilling

20 518-4-0-1.wav drilling drilling

21 518-4-0-2.wav drilling air\_conditioner

22 518-4-0-3.wav drilling drilling

23 Elephant.1.wav Elephant Elephant

24 Elephant.10.wav Elephant air\_conditioner

25 Elephant.11.wav Elephant Elephant

26 Elephant.12.wav Elephant Elephant

27 Elephant.13.wav Elephant Elephant

28 Elephant.14.wav Elephant Elephant

29 Elephant.15.wav Elephant Elephant

30 Elephant.16.wav Elephant Elephant

31 Elephant.17.wav Elephant Elephant

32 Elephant.18.wav Elephant Elephant

33 Elephant.19.wav Elephant Elephant

34 Elephant.2.wav Elephant Elephant

35 Elephant.20.wav Elephant Elephant

36 Elephant.27.wav Elephant Elephant

37 Elephant.3.wav Elephant Elephant

This model has predicted 36/38 correctly, which is 94.74%

Time of execution: 432.5488693714142