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dropout_1 (Dropout)	(None, 12, 12, 32)	0
flatten (Flatten)	(None, 4608)	0
dense (Dense)	(None, 256)	1,179,904
activation_4 (Activation)	(None, 256)	0
dropout_2 (Dropout)	(None, 256)	0
dense_1 (Dense)	(None, 2)	514
activation_5 (Activation)	(None, 2)	0

Total params: 1,209,058 (4.61 MB)

Trainable params: 1,209,058 (4.61 MB)

Non-trainable params: 0 (0.00 B)

# compile the model to use categorical cross-entropy loss function and adadelta optimizer

model.compile(loss='categorical\_crossentropy',  
optimizer='adam',  
metrics=['accuracy'])

history = model.fit(x\_train, y\_train,  
batch\_size=128,  
epochs=10,  
validation\_data=(x\_val, y\_val))

Epoch 1/10

28/28

3:47 9s/step - accuracy: 0.4991 - loss: 0.7121 - val\_accuracy: 0.5867 - val\_loss: 0.6892

Epoch 2/10

2/28

3:47 9s/step - accuracy: 0.6367 - loss: 0.6812

app.log

1 to 10 of 72 entries

Timestamp	Level	Message
Dec 4, 2024, 1:32:46 PM	WARNING	WARNING root:kernel b73b384b-a475-4e13-b8d3-663d66389ab2 restarted
Dec 4, 2024, 1:32:46 PM	INFO	KernelRestarter: restarting kernel (1/5), keep random ports
Dec 4, 2024, 1:28:12 PM	WARNING	2024-12-04 16:28:12.341233: W external/local_tsl/ts/framework/cpu_allocator_impl.cc:83] Allocation of 807469056 exceeds 10% of free system memory.
Dec 4, 2024, 1:28:08 PM	WARNING	2024-12-04 16:28:08.296874: W external/local_tsl/ts/framework/cpu_allocator_impl.cc:83] Allocation of 807469056 exceeds 10% of free system memory.
Dec 4, 2024, 1:28:08 PM	WARNING	2024-12-04 16:28:08.296778: W external/local_tsl/ts/framework/cpu_allocator_impl.cc:83] Allocation of 403734528 exceeds 10% of free system memory.
Dec 4, 2024, 1:28:08 PM	WARNING	2024-12-04 16:28:02.499871: W external/local_tsl/ts/framework/cpu_allocator_impl.cc:83] Allocation of 807469056 exceeds 10% of free system memory.
Dec 4, 2024, 1:27:56 PM	WARNING	2024-12-04 16:27:56.523705: W external/local_tsl/ts/framework/cpu_allocator_impl.cc:83] Allocation of 2107392000 exceeds 10% of free system memory.
Dec 4, 2024, 1:15:41 PM	WARNING	2024-12-04 16:15:41.328268: W tensorflow/compiler/t2tensorrt/ops/py_utils.cc:38] TF-TRT Warning: Could not find TensorRT
Dec 4, 2024, 1:15:33 PM	WARNING	To enable the following instructions: AVX2 FMA, in other operations, rebuild TensorFlow with the appropriate compiler flags.
Dec 4, 2024, 1:15:33 PM	WARNING	2024-12-04 16:15:33.328455: I tensorflow/core/platform/cpu_feature_guard.cc:210] This