Negar Nejatishahidin

I have used argo instead of Google Colab. So for the training part I use the Main.py file, which is available in my HW folder, instead of Ipython file. I have an out.txt file which I wright all the outputs there. I have also copy them here.

Starting epoch number 1
Loss for Training on Epoch 1 is 0.6122685670852661
Starting epoch number 2
Loss for Training on Epoch 2 is 0.5155720710754395
Starting epoch number 3
Loss for Training on Epoch 3 is 0.44207140803337097
Starting epoch number 4
Loss for Training on Epoch 4 is 0.38569337129592896
Starting epoch number 5
Loss for Training on Epoch 5 is 0.34068700671195984
------- Class: aeroplane   AP: 0.4885 -------
------- Class: bicycle   AP: 0.0884 -------
------- Class: bird   AP: 0.1424 -------
------- Class: boat   AP: 0.1509 -------
------- Class: bottle   AP: 0.0736 -------
------- Class: bus   AP: 0.0896 -------
------- Class: car   AP: 0.3783 -------
------- Class: cat   AP: 0.2006 -------
------- Class: chair   AP: 0.2267 -------
------- Class: cow   AP: 0.0398 -------
------- Class: diningtable   AP: 0.1059 -------
------- Class: dog   AP: 0.1337 -------
------- Class: horse   AP: 0.2176 -------
------- Class: motorbike   AP: 0.1035 -------
------- Class: person   AP: 0.5844 -------
------- Class: pottedplant   AP: 0.0850 -------
------- Class: sheep   AP: 0.0472 -------
------- Class: sofa   AP: 0.1735 -------
------- Class: train   AP: 0.1588 -------
------- Class: tvmonitor   AP: 0.0929 -------
mAP: 0.1791
Avg loss: 0.3251422643661499
Evaluating classifier
Mean Precision Score for Testing on Epoch 5 is 0.1790679298681936
Starting epoch number 6
Loss for Training on Epoch 6 is 0.3073834478855133
Starting epoch number 7
Loss for Training on Epoch 7 is 0.2831120491027832
Starting epoch number 8
Loss for Training on Epoch 8 is 0.26378512382507324
Starting epoch number 9
Loss for Training on Epoch 9 is 0.24947236478328705
Starting epoch number 10
Loss for Training on Epoch 10 is 0.23929384350776672
------- Class: aeroplane   AP: 0.4627 -------
------- Class: bicycle   AP: 0.1054 -------
------- Class: bird   AP: 0.1696 -------

------- Class: boat   AP: 0.1239 -------
------- Class: bottle   AP: 0.0855 -------
------- Class: bus   AP: 0.0636 -------
------- Class: car   AP: 0.3654 -------
------- Class: cat   AP: 0.2471 -------
------- Class: chair   AP: 0.2519 -------
------- Class: cow   AP: 0.0583 -------
------- Class: diningtable   AP: 0.1277 -------
------- Class: dog   AP: 0.1653 -------
------- Class: horse   AP: 0.2751 -------
------- Class: motorbike   AP: 0.0785 -------
------- Class: person   AP: 0.5771 -------
------- Class: pottedplant   AP: 0.1106 -------
------- Class: sheep   AP: 0.1009 -------
------- Class: sofa   AP: 0.1684 -------
------- Class: train   AP: 0.1667 -------
------- Class: tvmonitor   AP: 0.0988 -------
mAP: 0.1901
Avg loss: 0.24689532816410065
Evaluating classifier
Mean Precision Score for Testing on Epoch 10 is 0.19012985658018797
Starting epoch number 11
Loss for Training on Epoch 11 is 0.2310711145401001
Starting epoch number 12
Loss for Training on Epoch 12 is 0.22449161112308502
Starting epoch number 13
Loss for Training on Epoch 13 is 0.21938183903694153
Starting epoch number 14
Loss for Training on Epoch 14 is 0.21403412520885468
Starting epoch number 15
Loss for Training on Epoch 15 is 0.21058647334575653
------- Class: aeroplane   AP: 0.4814 -------
------- Class: bicycle   AP: 0.1270 -------
------- Class: bird   AP: 0.1505 -------
------- Class: boat   AP: 0.1879 -------
------- Class: bottle   AP: 0.0921 -------
------- Class: bus   AP: 0.0977 -------
------- Class: car   AP: 0.4382 -------
------- Class: cat   AP: 0.2482 -------
------- Class: chair   AP: 0.2727 -------
------- Class: cow   AP: 0.0582 -------
------- Class: diningtable   AP: 0.1624 -------
------- Class: dog   AP: 0.1735 -------
------- Class: horse   AP: 0.3841 -------
------- Class: motorbike   AP: 0.1392 -------
------- Class: person   AP: 0.6248 -------
------- Class: pottedplant   AP: 0.1394 -------
------- Class: sheep   AP: 0.1343 -------
------- Class: sofa   AP: 0.1799 -------
------- Class: train   AP: 0.1747 -------
------- Class: tvmonitor   AP: 0.1105 -------
mAP: 0.2188
Avg loss: 0.21934828162193298
Evaluating classifier

Mean Precision Score for Testing on Epoch 15 is 0.21882480394826032
Starting epoch number 16
Loss for Training on Epoch 16 is 0.2083199918270111
Starting epoch number 17
Loss for Training on Epoch 17 is 0.20619550347328186
Starting epoch number 18
Loss for Training on Epoch 18 is 0.20327657461166382
Starting epoch number 19
Loss for Training on Epoch 19 is 0.20149466395378113
Starting epoch number 20
Loss for Training on Epoch 20 is 0.19854062795639038
------- Class: aeroplane   AP: 0.5487 -------
------- Class: bicycle   AP: 0.1142 -------
------- Class: bird   AP: 0.1659 -------
------- Class: boat   AP: 0.2068 -------
------- Class: bottle   AP: 0.0928 -------
------- Class: bus   AP: 0.1005 -------
------- Class: car   AP: 0.4228 -------
------- Class: cat   AP: 0.2755 -------
------- Class: chair   AP: 0.2535 -------
------- Class: cow   AP: 0.0777 -------
------- Class: diningtable   AP: 0.1785 -------
------- Class: dog   AP: 0.1834 -------
------- Class: horse   AP: 0.4111 -------
------- Class: motorbike   AP: 0.1008 -------
------- Class: person   AP: 0.6313 -------
------- Class: pottedplant   AP: 0.1106 -------
------- Class: sheep   AP: 0.1380 -------
------- Class: sofa   AP: 0.2031 -------
------- Class: train   AP: 0.1678 -------
------- Class: tvmonitor   AP: 0.1060 -------
mAP: 0.2245
Avg loss: 0.21756763756275177
Evaluating classifier
Mean Precision Score for Testing on Epoch 20 is 0.22445562106582945
Starting epoch number 21
Loss for Training on Epoch 21 is 0.19700364768505096
Starting epoch number 22
Loss for Training on Epoch 22 is 0.19476807117462158
Starting epoch number 23
Loss for Training on Epoch 23 is 0.193234592676116272
Starting epoch number 24
Loss for Training on Epoch 24 is 0.19249966740608215
Starting epoch number 25
Loss for Training on Epoch 25 is 0.1909705400466919
------- Class: aeroplane   AP: 0.5699 -------
------- Class: bicycle   AP: 0.1683 -------
------- Class: bird   AP: 0.1942 -------
------- Class: boat   AP: 0.2468 -------
------- Class: bottle   AP: 0.0984 -------
------- Class: bus   AP: 0.1014 -------
------- Class: car   AP: 0.4862 -------
------- Class: cat   AP: 0.3144 -------
------- Class: chair   AP: 0.2916 -------

------- Class: cow   AP: 0.0904 -------
------- Class: diningtable   AP: 0.2087 -------
------- Class: dog   AP: 0.2244 -------
------- Class: horse   AP: 0.4413 -------
------- Class: motorbike   AP: 0.1438 -------
------- Class: person   AP: 0.6765 -------
------- Class: pottedplant   AP: 0.1069 -------
------- Class: sheep   AP: 0.1339 -------
------- Class: sofa   AP: 0.2418 -------
------- Class: train   AP: 0.2331 -------
------- Class: tvmonitor   AP: 0.1234 -------
mAP: 0.2548
Avg loss: 0.20444585382938385
Evaluating classifier
Mean Precision Score for Testing on Epoch 25 is 0.2547724815216136
Starting epoch number 26
Loss for Training on Epoch 26 is 0.18927951157093048
Starting epoch number 27
Loss for Training on Epoch 27 is 0.18801471590995789
Starting epoch number 28
Loss for Training on Epoch 28 is 0.18534304201602936
Starting epoch number 29
Loss for Training on Epoch 29 is 0.18378950655460358
Starting epoch number 30
Loss for Training on Epoch 30 is 0.18425095081329346
------- Class: aeroplane   AP: 0.5686 -------
------- Class: bicycle   AP: 0.1839 -------
------- Class: bird   AP: 0.2112 -------
------- Class: boat   AP: 0.3253 -------
------- Class: bottle   AP: 0.0888 -------
------- Class: bus   AP: 0.1385 -------
------- Class: car   AP: 0.4689 -------
------- Class: cat   AP: 0.3207 -------
------- Class: chair   AP: 0.3044 -------
------- Class: cow   AP: 0.1079 -------
------- Class: diningtable   AP: 0.1933 -------
------- Class: dog   AP: 0.2145 -------
------- Class: horse   AP: 0.4297 -------
------- Class: motorbike   AP: 0.1918 -------
------- Class: person   AP: 0.6722 -------
------- Class: pottedplant   AP: 0.0963 -------
------- Class: sheep   AP: 0.1229 -------
------- Class: sofa   AP: 0.2152 -------
------- Class: train   AP: 0.3062 -------
------- Class: tvmonitor   AP: 0.1443 -------
mAP: 0.2652
Avg loss: 0.2048996388912201
Evaluating classifier
Mean Precision Score for Testing on Epoch 30 is 0.26524038740517103
Starting epoch number 31
Loss for Training on Epoch 31 is 0.182608500123024
Starting epoch number 32
Loss for Training on Epoch 32 is 0.1813325732946396
Starting epoch number 33

Loss for Training on Epoch 33 is 0.1783204972743988
Starting epoch number 34
Loss for Training on Epoch 34 is 0.1767604798078537
Starting epoch number 35
Loss for Training on Epoch 35 is 0.17553962767124176
------- Class: aeroplane   AP: 0.5848 -------
------- Class: bicycle   AP: 0.2056 -------
------- Class: bird   AP: 0.2419 -------
------- Class: boat   AP: 0.3201 -------
------- Class: bottle   AP: 0.0859 -------
------- Class: bus   AP: 0.1738 -------
------- Class: car   AP: 0.4811 -------
------- Class: cat   AP: 0.3234 -------
------- Class: chair   AP: 0.3274 -------
------- Class: cow   AP: 0.1328 -------
------- Class: diningtable   AP: 0.1954 -------
------- Class: dog   AP: 0.2532 -------
------- Class: horse   AP: 0.4201 -------
------- Class: motorbike   AP: 0.2038 -------
------- Class: person   AP: 0.6849 -------
------- Class: pottedplant   AP: 0.0962 -------
------- Class: sheep   AP: 0.1314 -------
------- Class: sofa   AP: 0.2100 -------
------- Class: train   AP: 0.3538 -------
------- Class: tvmonitor   AP: 0.1818 -------
mAP: 0.2804
Avg loss: 0.20314286649227142
Evaluating classifier
Mean Precision Score for Testing on Epoch 35 is 0.2803708720106045
Starting epoch number 36
Loss for Training on Epoch 36 is 0.1747542768716812
Starting epoch number 37
Loss for Training on Epoch 37 is 0.17463292181491852
Starting epoch number 38
Loss for Training on Epoch 38 is 0.17254383862018585
Starting epoch number 39
Loss for Training on Epoch 39 is 0.17177601158618927
Starting epoch number 40
Loss for Training on Epoch 40 is 0.17062300443649292
------- Class: aeroplane   AP: 0.5684 -------
------- Class: bicycle   AP: 0.2350 -------
------- Class: bird   AP: 0.2239 -------
------- Class: boat   AP: 0.3262 -------
------- Class: bottle   AP: 0.0905 -------
------- Class: bus   AP: 0.1833 -------
------- Class: car   AP: 0.4900 -------
------- Class: cat   AP: 0.3283 -------
------- Class: chair   AP: 0.3497 -------
------- Class: cow   AP: 0.1324 -------
------- Class: diningtable   AP: 0.2064 -------
------- Class: dog   AP: 0.2639 -------
------- Class: horse   AP: 0.4458 -------
------- Class: motorbike   AP: 0.3081 -------
------- Class: person   AP: 0.6991 -------

------- Class: pottedplant   AP: 0.1073 -------
------- Class: sheep   AP: 0.1266 -------
------- Class: sofa   AP: 0.2174 -------
------- Class: train   AP: 0.3625 -------
------- Class: tvmonitor   AP: 0.1956 -------
mAP: 0.2930
Avg loss: 0.1985173374414444
Evaluating classifier
Mean Precision Score for Testing on Epoch 40 is 0.2930293553367723
Starting epoch number 41
Loss for Training on Epoch 41 is 0.17079621553421102
Starting epoch number 42
Loss for Training on Epoch 42 is 0.16951046884059906
Starting epoch number 43
Loss for Training on Epoch 43 is 0.16914239525794983
Starting epoch number 44
Loss for Training on Epoch 44 is 0.1667134314775467
Starting epoch number 45
Loss for Training on Epoch 45 is 0.1676657348871231
------- Class: aeroplane   AP: 0.5839 -------
------- Class: bicycle   AP: 0.2598 -------
------- Class: bird   AP: 0.2326 -------
------- Class: boat   AP: 0.3445 -------
------- Class: bottle   AP: 0.0898 -------
------- Class: bus   AP: 0.2018 -------
------- Class: car   AP: 0.4908 -------
------- Class: cat   AP: 0.3280 -------
------- Class: chair   AP: 0.3464 -------
------- Class: cow   AP: 0.1178 -------
------- Class: diningtable   AP: 0.1904 -------
------- Class: dog   AP: 0.2506 -------
------- Class: horse   AP: 0.4681 -------
------- Class: motorbike   AP: 0.3113 -------
------- Class: person   AP: 0.6893 -------
------- Class: pottedplant   AP: 0.1248 -------
------- Class: sheep   AP: 0.1279 -------
------- Class: sofa   AP: 0.2328 -------
------- Class: train   AP: 0.3263 -------
------- Class: tvmonitor   AP: 0.2021 -------
mAP: 0.2960
Avg loss: 0.20001403987407684
Evaluating classifier
Mean Precision Score for Testing on Epoch 45 is 0.29595920551060745
Starting epoch number 46
Loss for Training on Epoch 46 is 0.16491034626960754
Starting epoch number 47
Loss for Training on Epoch 47 is 0.16604232788085938
Starting epoch number 48
Loss for Training on Epoch 48 is 0.16540926694869995
Starting epoch number 49
Loss for Training on Epoch 49 is 0.1650872379541397
Starting epoch number 50
Loss for Training on Epoch 50 is 0.16303080320358276
------- Class: aeroplane   AP: 0.5835 -------

------- Class: bicycle   AP: 0.2528 -------
------- Class: bird   AP: 0.2425 -------
------- Class: boat   AP: 0.3323 -------
------- Class: bottle   AP: 0.0900 -------
------- Class: bus   AP: 0.2399 -------
------- Class: car   AP: 0.4709 -------
------- Class: cat   AP: 0.3312 -------
------- Class: chair   AP: 0.3634 -------
------- Class: cow   AP: 0.1222 -------
------- Class: diningtable   AP: 0.1855 -------
------- Class: dog   AP: 0.2537 -------
------- Class: horse   AP: 0.4819 -------
------- Class: motorbike   AP: 0.3286 -------
------- Class: person   AP: 0.7035 -------
------- Class: pottedplant   AP: 0.1195 -------
------- Class: sheep   AP: 0.1432 -------
------- Class: sofa   AP: 0.2514 -------
------- Class: train   AP: 0.3935 -------
------- Class: tvmonitor   AP: 0.2434 -------
mAP: 0.3066
Avg loss: 0.19697105884552002
Evaluating classifier
Mean Precision Score for Testing on Epoch 50 is 0.3066441291149082
------- Class: aeroplane   AP: 0.5742 -------
------- Class: bicycle   AP: 0.2430 -------
------- Class: bird   AP: 0.2255 -------
------- Class: boat   AP: 0.3195 -------
------- Class: bottle   AP: 0.1012 -------
------- Class: bus   AP: 0.2474 -------
------- Class: car   AP: 0.5353 -------
------- Class: cat   AP: 0.2683 -------
------- Class: chair   AP: 0.3608 -------
------- Class: cow   AP: 0.1105 -------
------- Class: diningtable   AP: 0.1758 -------
------- Class: dog   AP: 0.2458 -------
------- Class: horse   AP: 0.5495 -------
------- Class: motorbike   AP: 0.2579 -------
------- Class: person   AP: 0.7044 -------
------- Class: pottedplant   AP: 0.1488 -------
------- Class: sheep   AP: 0.1837 -------
------- Class: sofa   AP: 0.2393 -------
------- Class: train   AP: 0.3969 -------
------- Class: tvmonitor   AP: 0.2504 -------
mAP: 0.3069
Avg loss: 0.19141614437103271
DDDDD 0.30691706942527514 tensor(0.1914, device='cuda:0')