Model: base_MLP
HyperParams:

Classifications: Emotions
Confusion Matrix:
View Visual matrix at:
./precision/confusion_matrix_figures/base_MLP_emotions_2.png
[[1180 20 11   9 33   8   4   9   8   6   7   8   2 22
     5 41   0 46 87   0 562 22   1   5   0   0   3 35]
 [36 627   9 13   4   0   2   3   1   0   6   1   3   7
     1   9   0 45 15   0 420   4   0   1   0   5   6 15]
 [5 12 294 64   9   5   3   7   1   7 17 25   3   2
     6   4   0   6   3   0 562   3   0   3   0   5   6 10]
 [27 35 108 139 27   4 15 18   7 15 40 37   8   7
     8   8   0 14 15   1 1099 15   0   3   0   4 14 20]
 [125 20 14 30 235 27 19   8 13 12 31 13   2   9
     5 20   0 32 45   1 1505 31   0 10   0   6   8   5]
 [32   6   6   6 13 101   3   5   4   2 11   3   0   0
     5   7   0 14 12   1 380 29   0   1   0 14 11   3]
 [13 16 15 10   7   4 114 41   1   3 17   4   0   2
     3   9   0   4 11   0 662   4   0   9   0   2   4 10]
 [18 12   7 10   8   3 25 166   2   4   7   3   3   7
     5   7   0   5 12   0 800   6   0   4   0   3   4 22]
 [6   8   2   2   6   5   3   1 99   1   1   1   0   2
     2   1   0   5 24   0 233 33   0   0   0   1   1   2]
 [14 13 18 27 18   5   6   3   5 79 23 19   4   0
     5   7   0   5   8   1 614   7   0   5   0 11 61 12]
 [20 21 27 35 27   8 32   5   4 19 155 21   6   3
     9 11   0   7   8   0 1067 14   0   4   0 12 16   6]
 [7   9 42 39   4   2   2   1   1   9 21 146   4   2
    13   2   0   1   1   0 262   2   0   0   0   2   8   5]
 [2   5 10 13   4   4   5   1   0   3   7   9 36   1
     1   3   0   1   5   0 177   2   0   1   0   7   2   4]
 [56   8   9   4   9   0   3 13   0   0   3   1   0 72
     1 10   0 48 18   2 303   8   0   3   0   0   4 22]
 [2   5   1   4   2   2   0   1   0   1   4   5   1   0
   121   1   0   1   1   2 150   7   0   2   0   0   4   0]
 [99   6   2   1   4 12   3   1   1   3   1   0   0   1
     0 1083   0 42 10   0 105 14   0   0   0 18   3   0]
 [1   0   1   0   2   1   0   0   0   0   1   0   0   0
     3   3   0   0   0   0 34   0   0   0   0   3   8   1]
 [73 89   4   5 13   6   0   3   2   1   0   0   0 13
     2 19   0 236 61   0 271   5   0   0   1   1   4   5]
 [62 12   3   1   5   5   0   1   1   1   2   0   0   0
     0   7   0 27 657   0 203   7   0   1   0   2   3   4]
 [2   1   3   7   4   8   0   2   0   8   2   0   1   0
     8   1   0   1   0 14 113   5   0   0   0   0   5   2]
 [301 174 135 139 201 100 95 114 39 70 200 54 16 35
    44 73   1 95 127   1 8741 104   1 39   0 29 61 78]
 [52 10   1   7 15 18   5   1 24   4   8   3   1   4
     0 21   0 18 15   2 410 283   0   3   0   0   3   6]
 [29   1   0   0   3   2   0   0   0   4   1   1   0   0
     1   2   0   8   0   0 93   5   4   0   0   0   2   1]]

```
[ 18  19   7  13  30   6   5   2   5   9   9   2   0   5
   4   8   0   4   9   0 722   6   0  52   0   7   4  26]
[ 18   2   2   1   4   9   1   2   0   1   1   0   0   0
   1  10   0  16   2   1  79   1   0   0   1   0   4   0]
[  2   3   4   3   4   4   1   0   3   3   1   2   3   0
   0  10   0   0   2   1  71   1   0   1   0 131  21   1]
[ 12   7  10  11   8  11   0   1   6  33  10   6   2   0
   8   8   0   6   5   1 390   6   0   3   0  71 177   3]
[ 31   6  11   5  12   0   4  22   3   3   5   4   0  19
   3   1   0   3   3   0 335   4   0   4   0   0   2 211]]
```

Classsification Report:
View formatted classification report at:
./precision/classification_reports/base_MLP_4.txt

	precision	recall	f1-score	support
admiration	0.53	0.55	0.54	2134
amusement	0.55	0.51	0.53	1233
anger	0.39	0.28	0.32	1062
annoyance	0.23	0.08	0.12	1688
approval	0.33	0.11	0.16	2226
caring	0.28	0.15	0.20	669
confusion	0.33	0.12	0.17	965
curiosity	0.39	0.15	0.21	1143
desire	0.43	0.23	0.30	439
disappointment	0.26	0.08	0.12	970
disapproval	0.26	0.10	0.15	1537
disgust	0.40	0.25	0.31	585
embarrassment	0.38	0.12	0.18	303
excitement	0.34	0.12	0.18	597
fear	0.46	0.38	0.42	317
gratitude	0.78	0.77	0.77	1409
grief	0.00	0.00	0.00	58
joy	0.34	0.29	0.31	814
love	0.57	0.65	0.61	1004
nervousness	0.50	0.07	0.13	187
neutral	0.43	0.79	0.56	11067
optimism	0.45	0.31	0.37	914
pride	0.67	0.03	0.05	157
realization	0.34	0.05	0.09	972
relief	0.50	0.01	0.01	156
remorse	0.39	0.48	0.43	272
sadness	0.39	0.22	0.28	795
surprise	0.41	0.31	0.35	691
accuracy			0.44	34364
macro avg	0.40	0.26	0.28	34364
weighted avg	0.41	0.44	0.39	34364

Classifications: Emotions
Confusion Matrix:
View Visual matrix at:
./precision/confusion_matrix_figures/base_MLP_sentiments_2.png
[[1046 602 1491 632]
 [292 4469 2094 919]
 [683 2038 6115 2231]
 [302 986 2424 8040]]
Classsification Report:
View formatted classification report at:
./precision/classification_reports/base_MLP_5.txt

	precision	recall	f1-score	support
ambiguous	0.45	0.28	0.34	3771
negative	0.55	0.57	0.56	7774
neutral	0.50	0.55	0.53	11067
positive	0.68	0.68	0.68	11752
accuracy			0.57	34364
macro avg	0.55	0.52	0.53	34364
weighted avg	0.57	0.57	0.57	34364