Model: base_MLP
HyperParams:

Classifications: Emotions
Confusion Matrix:
View Visual matrix at:
./precision/confusion_matrix_figures/base_MLP_emotions_1.png
[[1197   27   8   8   47   5   2   3   10   6   10   6   2   28
     7   42   0   44 103   0 512   22   1   2   0   0   3   39]
 [34 759   5   14   5   0   1   3   2   2   7   1   4   5
     2   9   0   28   15   0 313   2   0   1   0   2   5   14]
 [5   20 294   65   11   5   5   8   0   9   32   21   4   2
    10   5   0   4   4   0 528   3   0   2   0   4   11   10]
 [36   50 124 143   40   4   10   16   6   18   65   37   10   8
    18   11   0   7   17   1 996   13   0   8   0   5   22   23]
 [130   35   14   23 304   28   22   10   11   16   51   10   3   13
     6   18   0   24   52   1 1393   25   0   12   0   6   13   6]
 [28   12   5   7   16   92   2   3   5   4   11   3   0   1
     4   8   0   10   15   0 384   32   0   0   0   15   10   2]
 [14   18   11   14   14   4 120   43   0   0   20   7   0   3
     5   9   0   4   14   1 635   3   0   10   0   2   5   9]
 [23   17   8   11   14   2   23 173   3   4   10   3   3   10
     8   8   0   5   12   0 766   5   0   3   0   3   5   24]
 [10   8   2   3   10   7   2   1 107   0   1   1   0   3
     2   1   0   5   24   0 226   23   0   0   0   1   1   1]
 [14   20   23   23   23   5   7   2   5   85   31   14   7   1
    12   7   0   2   9   2 569   6   0   8   0   12   65   18]
 [24   29   25   38   53   9   30   5   3   19 198   21   7   4
    14   10   0   5   11   1 969   14   0   9   0   13   19   7]
 [10   13   44   42   7   1   1   1   1   10   21 152   5   2
    16   1   0   0   1   0 234   3   1   0   0   1   11   7]
 [3   6   7   16   4   4   3   1   0   2   7   11   44   1
     4   3   0   1   5   0 162   3   0   0   0   7   3   6]
 [65   17   10   2   11   0   4   11   0   1   3   0   0   80
     1   11   0   41   19   2 278   8   0   3   0   0   5   25]
 [3   5   4   3   1   2   0   2   0   3   6   6   2   0
   141   1   0   0   1   4 121   6   0   2   0   0   4   0]
 [106   5   1   1   6   10   3   0   1   2   3   0   0   1
     0 1092   0   30   8   0   96   19   0   2   0   18   5   0]
 [1   0   0   0   2   1   0   0   0   1   1   0   0   0
     3   1   0   0   0   0   33   0   0   0   0   2   11   2]
 [78 105   5   3   16   7   1   2   2   2   3   0   0   15
     3   33   0 213   68   0 244   4   0   0   1   1   5   3]
 [58   16   2   2   8   3   0   1   3   0   5   0   0   0
     1   7   0   26 686   0 172   7   0   1   0   2   2   2]
 [3   1   4   8   3   6   0   2   1   7   4   1   1   2
    14   1   0   0   0   20   95   5   0   0   0   0   7   2]
 [333 238 155 141 274   95 100 126   54   91 275   58   17   39
    66   68   2   82 140   3 8371   95   1   44   0   34   85   80]
 [58   14   1   8   29   16   4   5   26   7   11   1   1   5
     3   11   0   14   17   2 399 265   0   4   0   2   4   7]
 [31   2   0   1   4   2   0   0   0   2   2   1   0   0
     1   2   0   7   0   0   90   3   5   0   0   0   3   1]]

```
[ 27  24   8   8  39   7   5   3   5  13  21   2   0   4
   7   8   0   5  10   0 663   9   0  62   0   4  10  28]
[ 20   3   1   0   7  10   1   1   0   2   2   0   0   0
   1  12   0  13   2   0  73   2   0   2   1   0   3   0]
[  1   4   4   3   5   2   1   0   3   6   1   2   2   0
   0   7   0   0   1   1  65   1   0   1   0 132  29   1]
[ 11  10  10   7  13   8   1   1   7  32  13   7   1   0
   9   5   0   4   6   1 357   6   0   5   0  78 199   4]
[ 32   8  12   3  11   0   7  21   3   3   8   3   0  17
   7   2   0   3   2   0 315   3   0   3   0   0   3 225]]
```

Classsification Report:
View formatted classification report at:
./precision/classification_reports/base_MLP_2.txt

	precision	recall	f1-score	support
admiration	0.51	0.56	0.53	2134
amusement	0.52	0.62	0.56	1233
anger	0.37	0.28	0.32	1062
annoyance	0.24	0.08	0.13	1688
approval	0.31	0.14	0.19	2226
caring	0.27	0.14	0.18	669
confusion	0.34	0.12	0.18	965
curiosity	0.39	0.15	0.22	1143
desire	0.41	0.24	0.31	439
disappointment	0.24	0.09	0.13	970
disapproval	0.24	0.13	0.17	1537
disgust	0.41	0.26	0.32	585
embarrassment	0.39	0.15	0.21	303
excitement	0.33	0.13	0.19	597
fear	0.39	0.44	0.41	317
gratitude	0.78	0.78	0.78	1409
grief	0.00	0.00	0.00	58
joy	0.37	0.26	0.31	814
love	0.55	0.68	0.61	1004
nervousness	0.51	0.11	0.18	187
neutral	0.44	0.76	0.56	11067
optimism	0.45	0.29	0.35	914
pride	0.62	0.03	0.06	157
realization	0.34	0.06	0.11	972
relief	0.50	0.01	0.01	156
remorse	0.38	0.49	0.43	272
sadness	0.36	0.25	0.30	795
surprise	0.41	0.33	0.36	691
accuracy			0.44	34364
macro avg	0.40	0.27	0.29	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_1.png
[[1112 595 1409 655]
 [313 4450 2002 1009]
 [729 2008 5929 2401]
 [284 923 2332 8213]]
Classsification Report:
View formatted classification report at:
./precision/classification_reports/base_MLP_3.txt

	precision	recall	f1-score	support
ambiguous	0.46	0.29	0.36	3771
negative	0.56	0.57	0.57	7774
neutral	0.51	0.54	0.52	11067
positive	0.67	0.70	0.68	11752
accuracy			0.57	34364
macro avg	0.55	0.53	0.53	34364
weighted avg	0.57	0.57	0.57	34364