

CNN MODEL STATISTICS

Class Labels = {

0: "Atelectasis"
 1: "Brain_Tumor"
 2: "Cardiomegaly"
 3: "Consolidation"
 4: "Edema"
 5: "Effusion"
 6: "Emphysema"
 7: "Fibrosis"
 8: "Hernia"
 9: "Infiltration"
 10: "Mass"
 11: "No_Brain_Finding"
 12 : "No_Lung_Finding"
 13: "Nodule"
 14: "Pleural"
 15: "Pneumonia"
 16: "Pneumothorax"
 17: "Tuberculosis"

}

precision recall f1-score support

0	0.85	0.17	0.29	2080
1	1.00	1.00	1.00	453
2	0.97	0.37	0.53	500
3	0.83	0.55	0.66	840
4	0.59	0.36	0.45	414
5	0.59	0.98	0.74	2396
6	0.00	0.00	0.00	51
7	0.89	0.42	0.57	337
8	0.83	1.00	0.91	50
9	0.85	0.99	0.92	3581
10	0.82	0.93	0.87	1040
11	1.00	1.00	1.00	376
12	0.99	1.00	1.00	10897
13	0.88	0.86	0.87	1140

14	0.86	0.84	0.85	600
15	0.62	0.84	0.71	258
16	0.83	1.00	0.91	954
17	1.00	1.00	1.00	480

accuracy		0.87		26447
macro avg	0.80	0.74	0.74	26447
weighted avg	0.89	0.87	0.85	26447

NLP MODEL STATISTICS

Class Labels = {

'Fungal infection': 0,
 'Allergy': 1,
 'GERD': 2,
 'Chronic cholestasis': 3,
 'Drug Reaction': 4,
 'Peptic ulcer disease': 5,
 'AIDS': 6,
 'Diabetes ': 7,
 'Gastroenteritis': 8,
 'Bronchial Asthma': 9,
 'Hypertension ': 10,
 'Migraine': 11,
 'Cervical spondylosis': 12,
 'Paralysis (brain haemorrhage)': 13,
 'Jaundice': 14,
 'Malaria': 15,
 'Chickenpox': 16,
 'Dengue': 17,
 'Typhoid': 18,
 'hepatitis A': 19,
 'Hepatitis B': 20,
 'Hepatitis C': 21,
 'Hepatitis D': 22,
 'Hepatitis E': 23,
 'Alcoholic hepatitis': 24,

```

'Tuberculosis': 25,
'Common Cold': 26,
'Pneumonia': 27,
'Dimorphic haemorrhoids(piles)': 28,
'Heart attack': 29,
'Varicose veins': 30,
'Hypothyroidism': 31,
'Hyperthyroidism': 32,
'Hypoglycemia': 33,
'Osteoarthritis': 34,
'Arthritis': 35,
'(vertigo) Paroymsal Positional Vertigo': 36,
'Acne': 37,
'Urinary tract infection': 38,
'Psoriasis': 39,
'Impetigo': 40
}

```

```

0: {'precision': 1.0, 'recall': 1.0, 'f1-score': 1.0, 'support': 25.0}
1: {'precision': 1.0, 'recall': 1.0, 'f1-score': 1.0, 'support': 24.0}
2: {'precision': 1.0, 'recall': 1.0, 'f1-score': 1.0, 'support': 24.0}
3: {'precision': 1.0, 'recall': 1.0, 'f1-score': 1.0, 'support': 25.0}
4: {'precision': 1.0, 'recall': 1.0, 'f1-score': 1.0, 'support': 24.0}
5: {'precision': 1.0, 'recall': 1.0, 'f1-score': 1.0, 'support': 24.0}
6: {'precision': 1.0, 'recall': 1.0, 'f1-score': 1.0, 'support': 25.0}
7: {'precision': 1.0, 'recall': 1.0, 'f1-score': 1.0, 'support': 24.0}
8: {'precision': 1.0, 'recall': 1.0, 'f1-score': 1.0, 'support': 24.0}
9: {'precision': 0.9615384615384616, 'recall': 1.0, 'f1-score': 0.9803921568627451, 'support': 25.0}
10: {'precision': 1.0, 'recall': 1.0, 'f1-score': 1.0, 'support': 24.0}
11: {'precision': 1.0, 'recall': 1.0, 'f1-score': 1.0, 'support': 24.0}
12: {'precision': 1.0, 'recall': 1.0, 'f1-score': 1.0, 'support': 24.0}
13: {'precision': 1.0, 'recall': 1.0, 'f1-score': 1.0, 'support': 24.0}
14: {'precision': 1.0, 'recall': 1.0, 'f1-score': 1.0, 'support': 24.0}
15: {'precision': 1.0, 'recall': 1.0, 'f1-score': 1.0, 'support': 25.0}
16: {'precision': 1.0, 'recall': 1.0, 'f1-score': 1.0, 'support': 24.0}
17: {'precision': 1.0, 'recall': 1.0, 'f1-score': 1.0, 'support': 24.0}
18: {'precision': 1.0, 'recall': 1.0, 'f1-score': 1.0, 'support': 24.0}

```

19: {'precision': 1.0, 'recall': 1.0, 'f1-score': 1.0, 'support': 24.0}
20: {'precision': 1.0, 'recall': 0.92, 'f1-score': 0.9583333333333334, 'support': 25.0}
21: {'precision': 0.96, 'recall': 1.0, 'f1-score': 0.9795918367346939, 'support': 24.0}
22: {'precision': 1.0, 'recall': 1.0, 'f1-score': 1.0, 'support': 25.0}
23: {'precision': 1.0, 'recall': 1.0, 'f1-score': 1.0, 'support': 24.0}
24: {'precision': 1.0, 'recall': 1.0, 'f1-score': 1.0, 'support': 25.0}
25: {'precision': 1.0, 'recall': 1.0, 'f1-score': 1.0, 'support': 24.0}
26: {'precision': 1.0, 'recall': 1.0, 'f1-score': 1.0, 'support': 24.0}
27: {'precision': 1.0, 'recall': 1.0, 'f1-score': 1.0, 'support': 24.0}
28: {'precision': 1.0, 'recall': 1.0, 'f1-score': 1.0, 'support': 24.0}
29: {'precision': 1.0, 'recall': 1.0, 'f1-score': 1.0, 'support': 24.0}
30: {'precision': 1.0, 'recall': 1.0, 'f1-score': 1.0, 'support': 24.0}
31: {'precision': 1.0, 'recall': 1.0, 'f1-score': 1.0, 'support': 24.0}
32: {'precision': 1.0, 'recall': 1.0, 'f1-score': 1.0, 'support': 24.0}
33: {'precision': 1.0, 'recall': 1.0, 'f1-score': 1.0, 'support': 24.0}
34: {'precision': 1.0, 'recall': 1.0, 'f1-score': 1.0, 'support': 24.0}
35: {'precision': 1.0, 'recall': 1.0, 'f1-score': 1.0, 'support': 24.0}
36: {'precision': 1.0, 'recall': 1.0, 'f1-score': 1.0, 'support': 24.0}
37: {'precision': 1.0, 'recall': 1.0, 'f1-score': 1.0, 'support': 24.0}
38: {'precision': 1.0, 'recall': 1.0, 'f1-score': 1.0, 'support': 24.0}
39: {'precision': 1.0, 'recall': 1.0, 'f1-score': 1.0, 'support': 25.0}
40: {'precision': 1.0, 'recall': 1.0, 'f1-score': 1.0, 'support': 24.0}

'accuracy': 0.9979859013091642

'macro avg': {'precision': 0.9980863039399624, 'recall': 0.9980487804878049, 'f1-score': 0.9980077396812385, 'support': 993.0}

'weighted avg': {'precision': 0.9980649159501123, 'recall': 0.9979859013091642, 'f1-score': 0.9979640899662987, 'support': 993.0}

NLP Model Loss: 6.080565452575684