# 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}

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14: {'precision': 1.0, 'recall': 1.0, 'f1-score': 1.0, 'support': 24.0}

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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}

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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}

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'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