- 1 E:\Thesis\Datasets\CNC\.venv_cnc\Scripts\python.exe E
 :\Thesis\Datasets\CNC\torch_conv1D.py
- 2 X shape: (684, 10000, 3)
- 3 y shape: (684,)
- 4 3
- 5 Epoch [1/20], Loss: 0.3398, Accuracy: 85.37%, F1-Score: 0.8542, Val Loss: 5.9278, Val Accuracy: 29.93 %, Val F1-Score: 0.1379
- 6 Epoch [2/20], Loss: 0.1921, Accuracy: 93.05%, F1-Score: 0.9295, Val Loss: 0.2423, Val Accuracy: 91.97 %, Val F1-Score: 0.9188
- 7 Epoch [3/20], Loss: 0.1673, Accuracy: 95.61%, F1-Score: 0.9555, Val Loss: 0.1985, Val Accuracy: 93.43%, Val F1-Score: 0.9324
- 8 Epoch [4/20], Loss: 0.1394, Accuracy: 95.06%, F1-Score: 0.9499, Val Loss: 0.5246, Val Accuracy: 83.94%, Val F1-Score: 0.8182
- 9 Epoch [5/20], Loss: 0.1076, Accuracy: 96.71%, F1Score: 0.9667, Val Loss: 0.5409, Val Accuracy: 82.48
 %, Val F1-Score: 0.7983
- 10 Epoch [6/20], Loss: 0.1106, Accuracy: 95.25%, F1-Score: 0.9520, Val Loss: 1.5204, Val Accuracy: 31.39%, Val F1-Score: 0.1680
- 11 Epoch [7/20], Loss: 0.0990, Accuracy: 96.53%, F1-Score: 0.9649, Val Loss: 0.5179, Val Accuracy: 84.67%, Val F1-Score: 0.8279
- 12 Epoch [8/20], Loss: 0.1646, Accuracy: 98.17%, F1-Score: 0.9816, Val Loss: 0.1803, Val Accuracy: 96.35%, Val F1-Score: 0.9639
- 13 Epoch [9/20], Loss: 0.1240, Accuracy: 97.62%, F1-Score: 0.9761, Val Loss: 0.1684, Val Accuracy: 94.16%, Val F1-Score: 0.9427
- 14 Epoch [10/20], Loss: 0.1173, Accuracy: 96.53%, F1-Score: 0.9649, Val Loss: 0.4301, Val Accuracy: 85.40%, Val F1-Score: 0.8374
- 15 Epoch [11/20], Loss: 0.0888, Accuracy: 96.89%, F1-Score: 0.9687, Val Loss: 0.2324, Val Accuracy: 89.78 %, Val F1-Score: 0.8908
- 16 Epoch [12/20], Loss: 0.0806, Accuracy: 98.35%, F1-Score: 0.9835, Val Loss: 0.1463, Val Accuracy: 94.16 %, Val F1-Score: 0.9396

File - torch conv1D 17 Epoch [13/20], Loss: 0.0855, Accuracy: 99.45%, F1-Score: 0.9945, Val Loss: 0.6418, Val Accuracy: 44.53 %, Val F1-Score: 0.3969 18 Epoch [14/20], Loss: 0.0754, Accuracy: 98.17%, F1-Score: 0.9816, Val Loss: 0.0728, Val Accuracy: 97.81 %, Val F1-Score: 0.9780 19 Epoch [15/20], Loss: 0.0781, Accuracy: 97.81%, F1-Score: 0.9780, Val Loss: 2.7873, Val Accuracy: 71.53 %, Val F1-Score: 0.6103 20 Epoch [16/20], Loss: 0.0528, Accuracy: 97.99%, F1-Score: 0.9798, Val Loss: 0.9479, Val Accuracy: 29.93 %, Val F1-Score: 0.1379 21 Epoch [17/20], Loss: 0.0404, Accuracy: 98.90%, F1-Score: 0.9890, Val Loss: 4.2792, Val Accuracy: 70.80 %, Val F1-Score: 0.5942 22 Epoch [18/20], Loss: 0.0647, Accuracy: 99.27%, F1-Score: 0.9927, Val Loss: 0.5392, Val Accuracy: 59.85 %, Val F1-Score: 0.5985 23 Epoch [19/20], Loss: 0.0814, Accuracy: 96.89%, F1-Score: 0.9688, Val Loss: 2.2953, Val Accuracy: 32.85 %, Val F1-Score: 0.1971 24 Epoch [20/20], Loss: 0.0948, Accuracy: 97.44%, F1-Score: 0.9742, Val Loss: 0.0798, Val Accuracy: 97.08 %, Val F1-Score: 0.9704 25 Validation Loss: 0.0798, Accuracy: 97.08%, F1-Score: 0.9704 26 27 Process finished with exit code 0

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