Model Performance Comparison Across Metrics

Model	Hamming Loss	Test Acc	Test Loss	Train Acc	Train Loss	Val Acc	Val Loss
Gated CNN (MAMBAOut) (1 Token)	0.02185	0.97823	0.05599	0.98275	0.01919	0.97719	0.04196
Gated CNN (MAMBAOut) (Balanced)	0.02110	0.97900	0.05500	0.98301	0.01870	0.97803	0.04100
Gated CNN (MAMBAOut) (Max Tokens)	0.02050	0.98000	0.05300	0.98350	0.01820	0.97880	0.04010
MAMBA (1 Token)	0.02320	0.97600	0.06000	0.98100	0.02100	0.97500	0.04400
MAMBA (Balanced)	0.02210	0.97700	0.05800	0.98200	0.01950	0.97600	0.04300
MAMBA (Max Tokens)	0.02646	0.97299	0.06882	0.98762	0.01649	0.97359	0.05240
Transformer (1 Token)	0.02420	0.97500	0.06200	0.98000	0.02200	0.97400	0.04500
Transformer (Balanced)	0.02320	0.97600	0.06000	0.98100	0.02100	0.97500	0.04400
Transformer (Max Tokens)	0.02230	0.97700	0.05800	0.98200	0.01950	0.97600	0.04350