**LSTM Model for Hate Speech Classification**

Architecture

Sequential Model:

- Masking Layer (input\_shape=(sequence\_length, 300))

- LSTM (units=256, return\_sequences=True, dropout=0.5)

- LSTM (units=128, dropout=0.5)

- Dense (units=64, activation='relu')

- Dropout (rate=0.5)

- Dense (units=3, activation='softmax')

Training Details

Word2Vec embeddings (300d)

Adam optimizer (lr=0.001)

Batch size: 64

Early stopping on validation loss

Performance:

A white background with black text

AI-generated content may be incorrect.

A graph of different colored lines

AI-generated content may be incorrect.