# Core Deep Learning Libraries

tensorflow==2.13.0

keras==2.13.1

# Data Handling and Analysis

numpy==1.25.2

pandas==2.1.0

# Machine Learning Utilities

scikit-learn==1.3.2

imbalanced-learn==1.12.0

# Natural Language Processing

nltk==3.9.1

spacy==3.6.0

transformers==4.42.2

sentencepiece==0.1.99 # Required for some transformer tokenizers

# Visualization

matplotlib==3.8.1

seaborn==0.12.2

# For Attention Visualizations

plotly==5.16.0

# Optional: For Google Colab Integration

tqdm==4.65.0