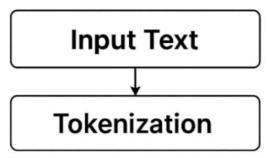FLOWCHART OF PROJECT 5: contextual-language-understanding-with-transformer-models

Contextual Language Understanding with Transformer Models

Input Text

↓

Tokenization

Split text into subword tokens (e.g. using WordPie/BPE)

↓

Positional Encoding

Add positional information to each token mbedding
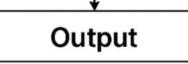
↓

Transformer Layers

Multi-head Self-Attention
Feedforward Neural Networrks
Layer Normalization & Residual Connections

↓

Contextual Embeddings

Each token now represents its
context-aware meaning

↓

Task-Specific Head

Fine-tuned for a specific task
(e.g., classification, QA, text get gereration)

↓

Output

r