Entity named recognition summary

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Entity-named recognition is one of the AI applications that involves identifying important entities into predefined categories (person, location, organization, etc.) in a text. So the implementation is done by using transformer-based models, particularly ones like BERT (Bidirectional Encoder Representations from Transformers).

We do tokenization either manually or by using a deep learning model like WordPiece. Then embedding and context, in addition to using the self-attention mechanism.

There are also benchmarks that evaluate metrics such as precision, recall, and F1 score used to assess the performance of NER models.