**NLP Levels: NLTK (Option 2)**

Abuchi Godswill Okeke

School of Computer and Information Sciences, University of the Cumberlands

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Dr. Toni Farley

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Through my exploration of NLP techniques using NLTK (Jablonski, n.d.), I gained hands-on experience in tokenization, stop-word filtering, stemming, lemmatization, part-of-speech tagging, and named entity recognition (NER). I learned how these techniques work together to process and analyze unstructured text effectively. For instance, tokenization breaks text into manageable units, while filtering stop words improves focus on meaningful content. Stemming and lemmatization simplify words, and POS tagging provides grammatical insights. NER identifies key entities like names or locations, making these techniques invaluable across industries.

You can view my Python notebook for this tutorial using the links below:

**My Github**: <https://github.com/Buchiexplores/MSAI-532/blob/main/week3/NLTK_Tutorial.ipynb>

**Google Colab:** <https://colab.research.google.com/drive/1Tkau5vSu7wN7uMt_k_M7PkqVKrQU4Gnx?usp=sharing>

**Reference**

Jablonski, J. (n.d.). Natural Language Processing With Python's NLTK Package. Real Python. Retrieved from <https://realpython.com/nltk-nlp-python/>