

NLP Engineer (Senior)

Job Title: Senior Natural Language Processing (NLP) Engineer

Responsibilities:

- Design and develop NLP applications and algorithms for processing and understanding human language.
- Select, preprocess, and annotate datasets for supervised and unsupervised learning.
- Train, evaluate, and optimize machine learning models for NLP tasks such as classification, sentiment analysis, and information extraction.
- Extend and customize ML libraries and frameworks (e.g., TensorFlow, PyTorch, SpaCy, NLTK).
- Conduct statistical analysis and model validation experiments.
- Stay up-to-date with the latest advancements in NLP and machine learning.
- Collaborate with cross-functional teams to integrate NLP solutions into products.
- Mentor junior and mid-level engineers and lead technical discussions.

Required Skills:

- Deep understanding of NLP algorithms, text representation techniques (n-grams, embeddings), and machine learning.
- Proficiency in Python and experience with NLP libraries (SpaCy, NLTK) and ML frameworks (TensorFlow, PyTorch).
- Strong statistical analysis and data preprocessing skills.
- Ability to write robust, testable, and efficient code.
- Excellent communication and leadership abilities.

Education:

- Master's or PhD in Computer Science, Computational Linguistics, Mathematics, or a related field.

Experience:

- 5+ years of experience in NLP or related roles.
- Proven track record of developing and deploying NLP solutions in production environments.