

# Abhisek Bag

## NLP SPECIALIST



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### SKILLS

- Programming Languages: Python (NumPy, Pandas, Scikit-Learn)
- NLP Libraries: NLTK, spaCy, Transformers (Hugging Face), Gensim
- Deep Learning Frameworks: TensorFlow, PyTorch
- Text Processing: Tokenization, Named Entity Recognition (NER), Sentiment Analysis
- Feature Engineering: Word Embeddings (Word2Vec, GloVe), TF-IDF
- Machine Learning Models: LSTM, GRU, BERT, GPT
- Data Visualization: Matplotlib, Seaborn
- Version Control: Git, GitHub
- Tools: Jupyter Notebooks, VSCode

### EDUCATION

PhD (Quantum Physics,  
Pursuing)  
Institute of Physics,

M.Phil  
Institute of Physics

Master's degree in Physics  
NIT Rourkela

### COURSES

- Introduction to ML Kaggle
- Introduction to DL Kaggle
- Intermediate ML Kaggle
- Computer Vision Kaggle
- Joint AI QC course by QpiAI
- Courses by Krish Naik, Codebasics, CampusX

### CAREER OBJECTIVE

Passionate and detail-oriented Data Scientist with a strong background in Natural Language Processing. Capable of leveraging advanced machine learning techniques to extract insights from textual data. Adept at developing and implementing NLP algorithms for various applications.

### WORK EXPERIENCE

Quantum Computing Expert

EY/Kolkata

1. Portfolio Optimization (Binary Constrained Optimization problem solved using VQE)
2. Option Pricing (Linear approximation using QAE, least squared methods for American Call/ Put )

### PROJECTS DONE

- American Movie Analysis based on data from 1985 - 2018 (ML regression)
- Indian Liver Patient analysis (ML classification)

