

# Senior Data Scientist

Data Science India

## Who You Are:

BlackSwanTechnologies.ai is seeking to fill a Senior Data Scientist in NLP position. This is a great opportunity to assume a technical position in a fast-growing and ambitious company. You will get a chance to address some of the most challenging real-world problems using cutting edge AI technology. You will work closely with the Product Management team and Platform engineers to anticipate company needs and quickly put state-of-the-art mathematical tools into the hands of end users. We will give you the opportunity to work on the full data science pipeline, bringing solutions from basic research all the way to production

## Responsibilities:

- Work closely with Team Leader, Product Managers, fellow Data Scientists and ML Engineers to frame Machine Learning problems within the business context
- Provide support to more junior ML engineers and Data Scientists in the team
- Be hands-on and involved with every stage of the ML product development cycle
- Assist in design and reviewing ML experiments and solutions
- Evaluate, justify and communicate ML models' performance to various stakeholders
- Write clean and tested code that can be maintained and extended by other fellow ML engineers
- Contribution to research activities in ML domain inside the company

## Requirements:

- 4+ years of industry and research experience in developing ML products
- Great written and verbal communication skills, with prior experience explaining assumptions, conclusions, and methodology to both internal and external customers
- Ability to frame business requirements into ML problems that you enjoy solving
- A strong predilection for good software and the processes that make it
- Mathematical foundation including: linear algebra, vector calculus, probability, and statistics. Experience implementing this math effectively in software (e.g. Python, numpy)
- Strong foundation in machine learning & deep learning concepts including: supervised and unsupervised learning, transfer learning, ensembling, classification, regression, clustering, bias & variance, regularization, overfitting & underfitting, Logistic & Linear regressions, Decision Trees, MLP, RNNs
- Strong foundation in natural language processing concepts including: bag-of-words & TF-IDF, n-grams, word & text embedding, NER, transformers, text classification & similarity
- Proficiency in Python and PyData stack (numpy, scipy, pandas, scikit-learn)
- Fluency with popular NLP libraries (spaCy, NLTK, transformers)
- Hands-on experience with Deep Learning frameworks such as PyTorch
- Experience working in a Linux environment
- Basic Git knowledge: creating and merging branches, cherry-picking commits, examining the diff between two hashes
- More advanced Git usage is a plus, particularly: development on feature-specific branches, squashing and rebasing commits, and breaking large changes into small, easily-digestible diffs
- Experience with SQL

Understanding of algorithm complexity and performance implications  
Knowledge of classical data structures and algorithms

#### Bonus Experience:

Degree in related field (Machine Learning, Data Science, Mathematics, Statistics, Computer Science)

Familiarity with Knowledge Engineering, Graph technology, Knowledge Graphs, Graph Databases

Machine Learning on graphs

AWS, AWS SageMaker

Kaggle experience

#### Who We Are:

BlackSwan Technologies is reinventing enterprise software through Agile Intelligence for the Enterprise – a fusion of data, artificial intelligence, and cloud technologies that provides unparalleled business value. Our multi-tiered enterprise offerings include the award-winning platform-as-a-service, ELEMENT, which enables organizations to build enterprise AI applications at scale for any domain quickly and at a fraction of the cost of alternatives. BlackSwan and its global partners also provide industry-proven applications that are ready-made and fully customisable for rapid ROI. These offerings are generating billions of dollars in economic value through digital transformation at renowned global brands. The private company maintains gravity centers in the UK, Europe, Israel, the US, and Sri Lanka.  
[www.blackswantechnologies.ai](http://www.blackswantechnologies.ai)

#### Equal Opportunities:

At BlackSwan Technologies, we prioritize diversity. We celebrate difference and embed it into every aspect of our workplace, from our community to our product. BlackSwan Technologies is proud and committed to providing equal opportunity employment to all individuals regardless of race, color, religion, sex, sexual orientation, citizenship, national origin, disability, Veteran status, or any other characteristic protected by law. In addition, BlackSwan Technologies will accommodate individuals with disabilities or a special need.

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