

Senior Machine Learning Engineer - NLP

Data Science Europe

BlackSwan Technologies is seeking for Sr Machine Learning Engineer (Europe)

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 machine learning pipeline, bringing solutions from basic research all the way to production.

Responsibilities:

- Work closely with Team Leader, Product Managers, fellow ML Engineers to frame Machine Learning problems within the business context
- Provide support to more junior ML engineers in the team
- Be hands-on and involved with every stage of the ML product development cycle
- Assist in designing 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 a uniquely positioned data science and human Intelligence insights product company. In our primary application, we offer enterprise-level AI-empowered Business Applications to data-intensive organizations. We are currently building our next generation Enterprise AI Operating system which will be the world's most advanced and most comprehensive product for Digital Transformation. Our advantage is existing unbelievable human assets, science, engineering, and SaaS product capabilities that align very well with the technology needs.

To help you succeed, we provide a supportive environment that fosters collaboration between teams and team members, where learning and professional growth are considered a key part of your success, and of ours. We offer a flexible work environment with a family-friendly work-life balance.