

EU Institutions: Senior AI/NLP/ML Engineer

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Company: Etinars

Location: Brussels

Category: computer-and-mathematical

WHO WE ARE Etinars is a values-focused company with multi-year experience, specialised in the recruitment of professionals for niche markets - managing the full-life cycle of specialist and executive level hires. At Etinars, we genuinely care about who you are and what you need. We place great emphasis on fostering robust, enduring connections built upon trust and transparency. Our approach ensures a swift journey, leading you hand in hand towards signing your next career step.

WHAT WE ARE LOOKING FOR EU Institutions: Senior AI/NLP/ML Engineer Join our client's team in Brussels as a Senior AI/NLP/ML Engineer for the European Institutions. DG Regio, part of the European Commission, focuses on reducing regional disparities across EU member states. It manages funds like the ERDF and Cohesion Fund to support economic growth and social cohesion in less developed regions. Through programs like Interreg, it fosters collaboration among neighboring regions. Urban development initiatives aim to enhance sustainability and inclusivity in EU cities. DG Regio evaluates and monitors regional policies to ensure their effectiveness and compliance. Its efforts contribute to the overall prosperity and integration of the European Union.

YOUR TASKS Development and maintenance of software applications in the field of Natural Language Processing (NLP), Machine Learning (ML) and/or Artificial Intelligence (AI); Training of custom machine learning / deep learning models based on structured and unstructured data; Selecting features, building and optimizing classifiers using machine learning techniques; Studies and developments aiming at improving the quality of machine translation (MT) engines for each installed language pair, addressing the specific needs of customers of the service concerning MT quality and contributing to a general strategy for the systematic

evaluation and long-term improvement of MT quality; Interact with data stewards and other IT stakeholders to define the data rules; Define data controls and implement actions to ensure data quality and integrity; Creating automated anomaly detection systems and constant tracking of its performance; Data mining using state-of-the-art methods; Processing, cleansing, and verifying the integrity of data used for analysis; Design the IT architecture for solitons in the NLP / ML / AI fields, and coordinate its implementation considering master- and meta-data management concepts; Analyse data architecture for consistency, completeness, accuracy and reasonableness; Contributing for the analysis of data management vision, strategy and policy and derive the IT requirements; Contributing to the design of the IT architecture considering

YOUR SKILLS AND EXPERIENCE The following specific expertise is requested for the performance of tasks: Minimum 5 years of professional experience in developing AI projects, including machine learning and NLP solutions. Excellent knowledge of machine learning techniques and algorithms, such as k-NN, Naive Bayes, SVM, Decision Forests, Neural Network, and/or artificial intelligence frameworks. Excellent command of Python and proficiency with relevant libraries, including but not limited to NumPy, Pandas, Scikit-learn, SpaCy, NLTK, PyTorch, TensorFlow, HuggingFace. Minimum 3 years of experience with cloud services (AWS, Azure, Google Cloud Platform) and containerization tools (e.g. Docker) for the deployment of AI and machine learning applications. Experience with Knowledge Graphs and SPARQL is an asset. Minimum 2 years of experience with version control systems (Git Hub)

The following skills are required: Proven experience with Deep Learning models and NLP techniques; Hands-on knowledge with Large Language Models (e.g. OpenAI, LLaMa and Mistral); Experience with cloud services (AWS, Azure, Google Cloud) Ability to adapt to evolving technologies and methodologies in AI; Experience in cleaning and preparing data for AI/ML models; Technical proficiency regarding database design development, data models, techniques for data mining, and segmentation; Ability to deliver presentation to both business and technical audiences; Solution-oriented and accuracy to detail; Ability to cope with fast changing technologies used in application developments; Due to the particular nature of a large international organization such as the European Commission, candidates should also have the following non-technical skills: Capability of integration in an international/multicultural environment, rapid self-starting capability and experience in working in team Ability to make presentations to stakeholders, excellent communicator Ability to participate in multilingual meetings Ability to work in multi-cultural environment, on multiple large projects Excellent Team Player Very good ability to understand,

speak and write in very good English, knowledge of any other language will be an advantage
High degree of discretion and integrity is required as the applications managed and maintained contain personal and confidential data Knowledge of European Commission IT environment it is considered an asset EXTRA INFORMATION Work location: Brussels possibility to telework part of the weekly working time, upon agreement. Both employee and freelance competitive contracts. International environment. The competence level will be tested during interview. In case the information about the competence level filled in the CV are not true, this may lead to refusal of candidate. Please note that, due to the sensitive nature of the data involved, this position is currently available only to individuals who meet the following criteria: EU Citizens Non-EU Citizens already based in Belgium with a valid work permit Once we receive your CV, we will take time to evaluate it carefully. Should there be a match for this or any other position at Etinars, we will be in touch with you. In case there is no match now don't worry, we will make sure to keep your CV in consideration for future vacancies In Etinars we are committed to supporting Diversity and Inclusion Community. If you identify as part of it and you meet the minimum criteria for the job, you will be given the opportunity to demonstrate your abilities at an interview.

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