

Data Scientist

Description

Roche fosters diversity, equity and inclusion, representing the communities we serve. When dealing with healthcare on a global scale, diversity is an essential ingredient to success. We believe that inclusion is key to understanding people's varied healthcare needs. Together, we embrace individuality and share a passion for exceptional care. Join Roche, where every voice matters.

The Position

As a Data Scientist you will:

- Be accountable for the development and implementation of Data Science products focusing on Natural Language Processing leveraging LLMs and Generative AI tools.
- Support proactive identification of the most relevant LLM/NLP use cases in collaboration with the key stakeholders.
- Apply your expertise in NLP/LLM to develop and refine models that address Roche business needs. Involved in building and fine-tuning models and optimising their performance to provide valuable insights and solutions to business stakeholders
- Support prioritisation efforts, understand feasibility and business impact, take smart risks to make informed decisions in a fast-paced, evolving environment to deliver patient benefits faster.
- Collaborate within global agile teams in the Roche Informatics business and foundational domains to develop products that provide the highest value to both Roche Pharma and Diagnostics business stakeholders.
- Provide methodical and implementation guidance as well as hands-on support around analytical LLM/NLP use cases. Evaluate the pros & cons of different NLP approaches and Generative AI platforms with comprehensive quantitative and qualitative analysis
- Communicate findings and market the value of use cases to key stakeholders.
- Contribute to positioning data science as a key competency within the enterprise
- Continuously look for opportunities to broaden knowledge, capabilities and skill set to enable talent to flow into different specialties.
- Be a role model for knowledge sharing within the DnA chapter.

Hiring organization

Candidate-1st

Employment Type

Full-time

Beginning of employment

asap

Job Location

Madrid Osiris

Working Hours

40

Base Salary

euro EUR 105K - 188K *

Date posted

June 6, 2024

- Act as a coach, mentor, or buddy to help colleagues grow and develop.

Qualifications

- M.Sc. or PhD in Computer Science, Physics, Statistics, Mathematics or equivalent degree and experience with machine learning/data mining/artificial intelligence.
- At least 3 years of hands-on experience as a Data Scientist.
- Hands-on experience with Python programming and common NLP libraries (e.g., transformers, gensim, spaCy, etc.)
- Familiarity with essential frameworks (e.g. [PyTorch](#)) and infrastructure components (Docker, GPU) for training, fine-tuning and evaluating NLP tasks
- Experience in using both open source (e.g. HuggingFace) and closed source LLM models with different deep learning architectures
- Experience implementing RAG, working with knowledge databases and using LLM through APIs
- Proven experience to deploy LLM models with cloud platforms (AWS, Azure) and machine learning workbenches for robust and scalable productionisation
- Good knowledge of effective training and optimising language models to fit for internal infrastructure and ensure seamless integration
- Familiarity with best practices for code generation, code documentation, data security, and compliance in cloud-based data science workflows.
- Proven experience to add value and insight by providing advanced analytical solutions.
- Data storytelling skills and using visualisation tools to communicate data and results with a non-technical audience.
- International, goal oriented mindset with can do attitude.
- Experience in the pharmaceutical/biotech industry is preferred.
- Fluency in written and spoken English.

Roche is an equal opportunity employer.

Job Benefits

EUR 105K – 188K *