1. Data Scientist for LLM Applications f/m/d

Location: Graz, AT
Company: AVL List GmbH
Job Function: IT & Software
Contract Type: Permanent
Posting Date: Jan 15, 2024
Job ID: 36518

Data scientists at AVL are responsible to develop and execute software algorithms, including the integration and fine-tuning of pre-trained models (such as cutting-edge LLMs), to extract information from structured and unstructured data in cooperation with domain experts of the according technical field. You have a strong experience using a variety of data analytics methods and tools, developing and implementing models and algorithms. You have proven ability to drive business results with their data-based insights and are comfortable working with a wide range of stakeholders and functional teams. You have a passion for discovering solutions hidden in large data sets and working with stakeholders to improve business outcomes.

YOUR RESPONSIBILITIES:

- Work with stakeholders throughout the organization to identify opportunities using data and knowledge from the automotive domain to drive business solutions.
- Design and implement metrics, applications and tools that will enable engineers to derive better conclusions (ad-hoc and automated analysis cases).
- Apply statistical modeling, learning and machine learning techniques to optimize processes and support engineering decisions.
- Organize an interdisciplinary LLM exchange group, applying models to analyze automotive data, design concepts and metrics to optimize engineering processes
- Design graphical representations and visuals that engineers can easily interpret and understand.
- Support the scale out of design algorithms via implementation in larger software frameworks.
- Keep up to date on relevant technologies and frameworks, identify trends and propose new methods that the team could benefit from.
- Ability and interest to extend knowledge beyond own field of expertise (e.g. powertrain, e-drive, battery, electronics, etc.)
- Active support and engagement for pre-sales and sales activities

YOUR PROFILE:

- Advanced degree (MSc, MEng, or PhD) in a relevant field such as Statistics, Mathematics, Computer Science, or a related Engineering discipline.
- Strong proficiency in Python and experience in scalable processing environments like Spark or Dask preferable.
- Proven experience in applying data science methods in industrial use cases.
- Strong soft skills in leadership, communication, and facilitation within teams and diverse stakeholder environments with conflicting requirements.
- Strong problem-solving skills for clarifying and resolving ambiguous problem statements with available data.
- Experience building and deploying machine learning models in a professional environment.
- Experience with open source LLMs, as well as with public APIs and open source libraries for working with LLMs.
- Understanding knowledge graphs, vector databases, document embedding, and text search.
- Experience with prompt engineering and retrieval augmented generation, as well as with classical natural language processing techniques and tools.
- Highly developed quality awareness with strong attention to details, ability to work in a team, organizational skills.
- Willingness to travel in the context of project execution
- German skills preferred, fluent in English

WE OFFER:

- Homeoffice
- Flexitime Regulation
- Canteen
- Award-winning Training Programs
- Health Management
- Parental Leave Management (Maternity/Paternity Protection & Educational Leave)

Annual Remuneration: Due to the Austrian Equal Treatment Act we are obligated to state the annual gross remuneration (full-time) for this position as a basis for negotiation: €60.000,00. The Employee will be classified according to the Collective Agreement for Employees of Industry (Collective Bargaining Agreement of the Automotive Industry). We will, in any case, offer market-conforming payment taking qualifications and professional experience into account.

https://jobs.avl.com/job/Graz-Data-Scientist-for-LLM-Applications-fmd/1024913501/