

EA5 - Feedback from Jérémy de Gail's talk

Modul: Data Science - Sommersemester 2024

vorgelegt von

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Kapitel 1

Feedback, idea, summary talk from Mr. Jérémy de Gail

1.1 Q1: *Please write your feedback, idea, or summary of the talk from Mr. Jérémy de Gail.*

1.1.1 Summary of the talk

This talk (AI Used in the Industry) by Jérémy de Gail AI team lead at Incari, a company providing UI tools for human-machine interfaces (HMI), explores real-world applications of AI, the skill sets needed to create AI products, and the main challenges encountered.

Concrete Use Cases:

- Text-to-Text: Incari INNA allows creating low-code interfaces and underlying code based on text prompts (e.g., “Create a pop-up on mouse click”).
- Text-to-Image: Sahara Sends generates playing cards from text descriptions.
- Image-to-Image: Motion Stories creates variations of images and animates them for marketing purposes.

Skill Sets Involved:

- Technical Roles:
 - Data Engineer (Data Processing)
 - Data Scientist (Research, Model Training & Evaluation)
 - Machine Learning Engineer (Project Design, Optimization & Maintenance)
 - Machine Learning Operations Engineer (Infrastructure, CI/CD & Efficiency)

In Practice: Most professionals transition to a general “AI Engineer” role with specialization in one of the core areas.

- Business Roles:
 - Data Analyst
 - Business Intelligence Analyst

Main Challenges:

- Data Quality and Availability:
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- Underestimation of data engineering complexity by decision-makers.
 - Difficulty in accessing or formatting existing data.
- Deployment and Integration:
 - Challenges of running AI pipelines in the cloud.
 - Ensuring affordability of resources and compatibility.
- Scalability and Performance:
 - Achieving low latency and high scalability for AI models.

Note: The speaker provided real-world examples for each challenge.

1.1.2 Feedback

The lecture was very well prepared and contained many practical use-cases and examples. Many topics were discussed in an interesting and entertaining way. The Q&A was also very interesting, as the speaker compared different AI approaches and talked about his personal experiences from his work.

1.2 Q2: *Are you willing to share this feedback with the speaker?*

Yes

Anhang A

Link zur Datei in Overleaf (L^AT_EX)

<https://de.overleaf.com/read/kcvvtfqgmgcq#20ad64>