

Bachelor thesis

Bachelor Thesis: Development of a RAG Database for AI Process Analysis

The KIProWahl project uses LLM-based chatbots for process analysis during software selection in SMEs. To ask context-sensitive questions and avoid hallucinations, the language model needs a domain-specific database. You will design and implement a local Retrieval-Augmented Generation (RAG) system using expertise from production and logistics.

Your tasks

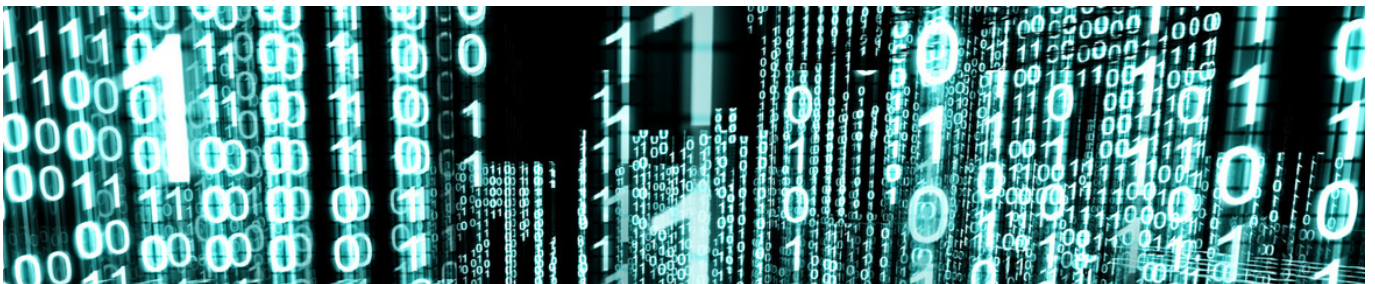
- Collection and structuring of domain knowledge and reference processes
- Implementation of a vector search system (e.g., via LangChain)
- Connection of the RAG database to a local LLM in the Python demonstrator
- Validation of the chatbot response quality

Your profile

You are studying

- Computer Science
- Business Informatics
- Mechanical Engineering
- or similar

You are interested in AI and have initial programming skills in Python. Good German and English skills are required.



Bitte sende deine aussagekräftige Bewerbung in einer einzigen PDF-Datei an jobs@iph-hannover.de.

Die Bewerbung muss Anschreiben, Lebenslauf sowie Prüfungsleistungen des Studiums / Zeugnisse enthalten.

Contact

Still not convinced?

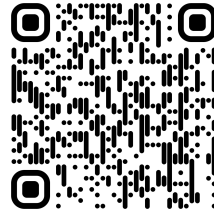


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