

Master Thesis/ HiWi

Development of a modular adaptive (chat)bot

Background:

The increasing prevalence of chatbots in everyday life highlights the importance of effective communication between humans and AI systems. However, user trust in these chatbots is crucial for their effective use. Especially in high-stakes scenarios, communication or interaction with the system is vital, and user/context adaptive solutions have been proposed.

Objective:

This project aims to develop a modular adaptive conversational system that adapts itself to the context of use and user. The same core should be reusable; only *domain packs* (intents, flows, templates) change when switching from, say, medical diagnosis to automotive onboarding.

Tasks:

- Backend: Selecting and setting up an open-source dialog stack; Implementing the adaptation layer
- Creating starter domain packs (intents, dialog flows, response templates etc.)
- Frontend: Implementing FIGMA designs into responsive applications/widgets.

Requirements:

- Interest in Human-AI Interaction, chatbots
- Experience with conversational AI or LLM projects, python and/or JavaScript, React skills
- Familiarity with chatbot interfaces or AI tools

Start date:

As soon as possible

Released on:

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Image designed by Freepik

Contact person:

Rutuja Joshi

rutuja.joshi@tum.de

0162 206 2924

MW3329