poster-type

Engineering

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AI for everyone

Democratizing AI assets with automatic prototyping

work done inside

BIGmama TECHNOLOGY

Motivation

Recent success of Large Language Models (LLMs) made many startups, corporations and individuals aware of AI's potential to automate many of their daunting tasks.

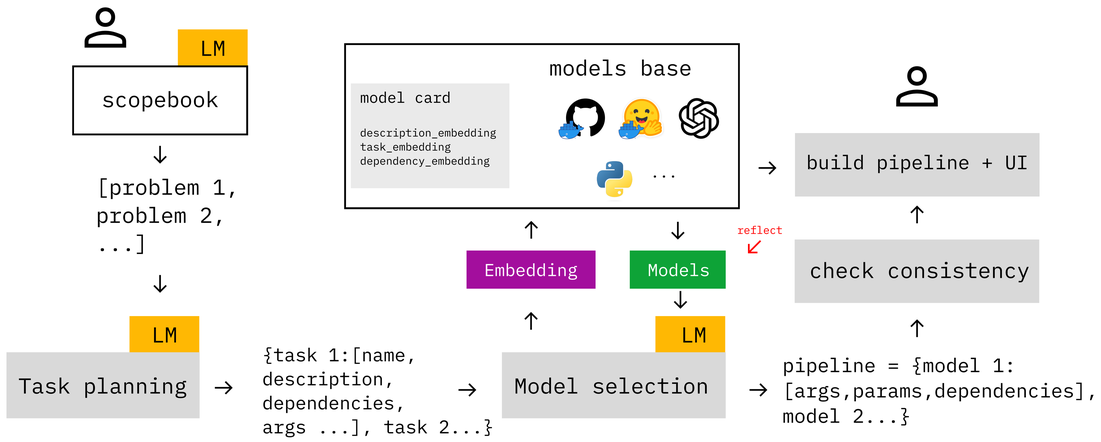
However customized AI assets today come at a high price.

We aim to democratize the use of AI by providing an end-to-end AI asset automatically.

We propose a system design that leverages the ever increasing availability of open-source AI models (Huggingface, Github ..) and the zero-shot reasoning capabilities of today's LLMs to solve tasks such as problem scoping, task planning, model selection, and to build automatic prototypes.

Additionally, we use tools like Docker to ease building and scaling these AI prototypes.

System design



Discussion

- New models can easily be added to the model base.
- Human expertise can be programmatically encoded and added to the model base.
- This builds a competitive advantage for companies over time by concretizing their know-how.

References

HuggingGPT: Solving AI Tasks with ChatGPT and its Friends in Hugging Face.

Chain-of-Thought Prompting Elicits Reasoning in Large Language Models.