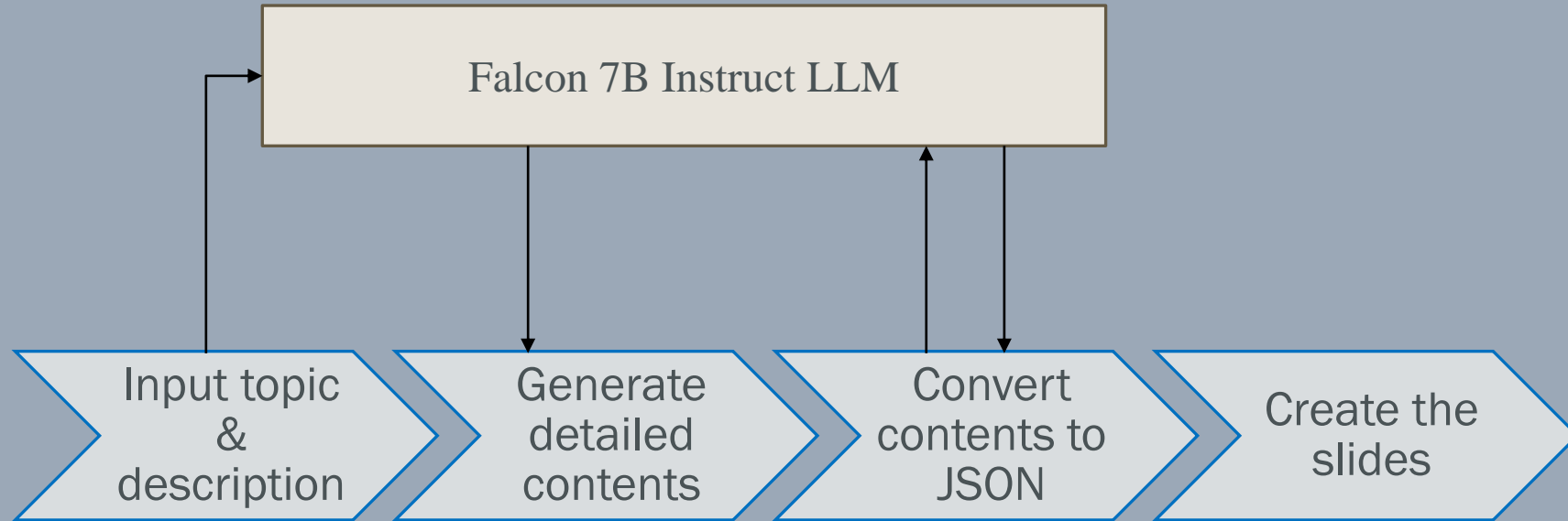


Slides Wizard

Barun Saha

Introduction

- Many of us spend a significant time to **create** presentation slide decks
- AI can help with content generation but:
 - Requires third-party **tools integration** to actually generate the slides
 - Or execution of **third-party scripts** locally
 - And possibly many other **privileges**
- Slides Wizard addresses the gap by:
 - Generating the outline/contents of the slides
 - Converting them to structured output
 - Actually generating a PowerPoint slide deck
- Large and diverse target audience
- A premium subscription may offer advanced features and customizations beyond the basic functionality



- LangChain wrapper around Falcon, with two prompt templates
- python-pptx library for slides creation

Challenges & Future Directions

- Handling natural language text is challenging!
 - Consider more test cases
- Improve text generation (content and JSON) by exploring other potential LLMs
- Support multimodal contents, such as images and tables
- Support multi-cell layouts, such as two columns layout
- Support editing of the generated content as well as the addition of specific inputs

Demonstration

<https://huggingface.co/spaces/barunsaha/slides-wizard>

Thank you!