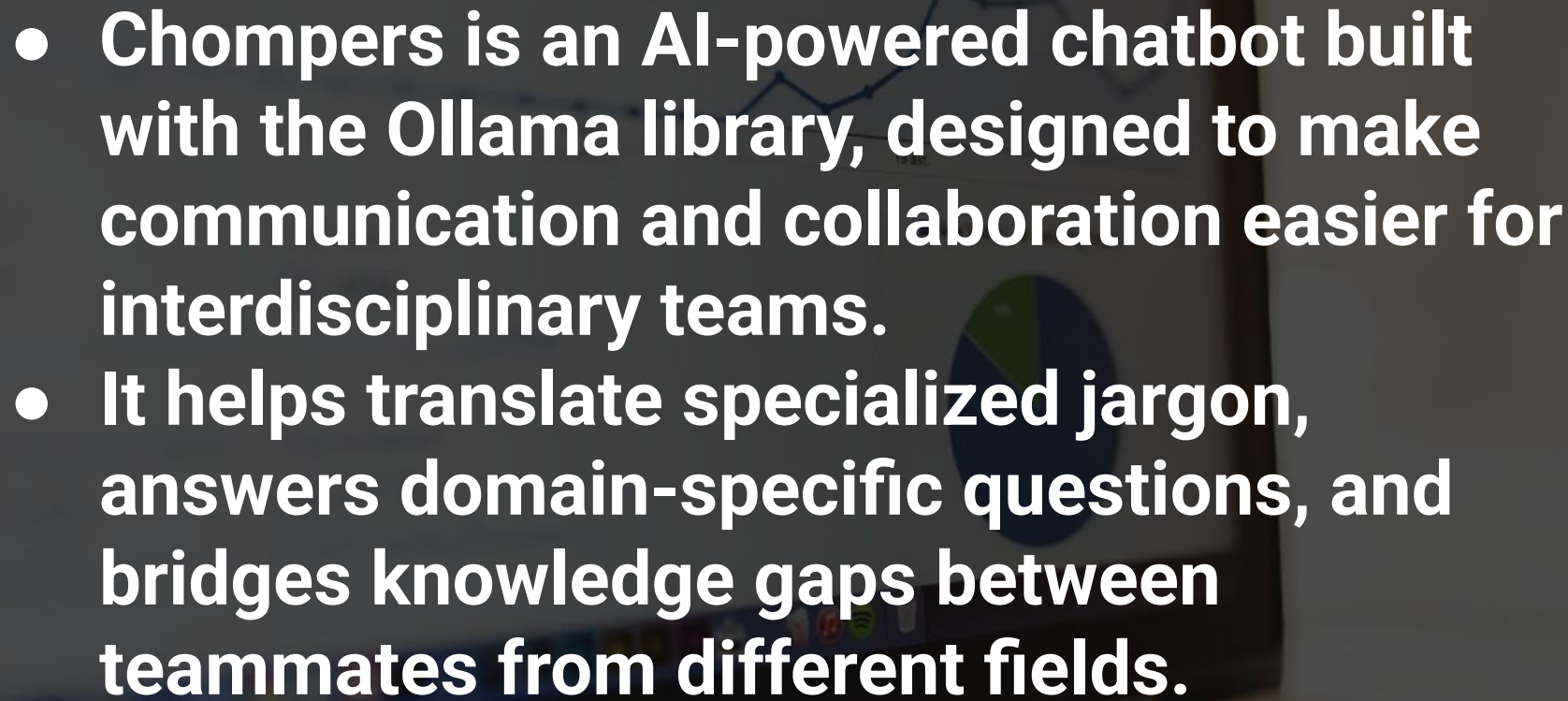
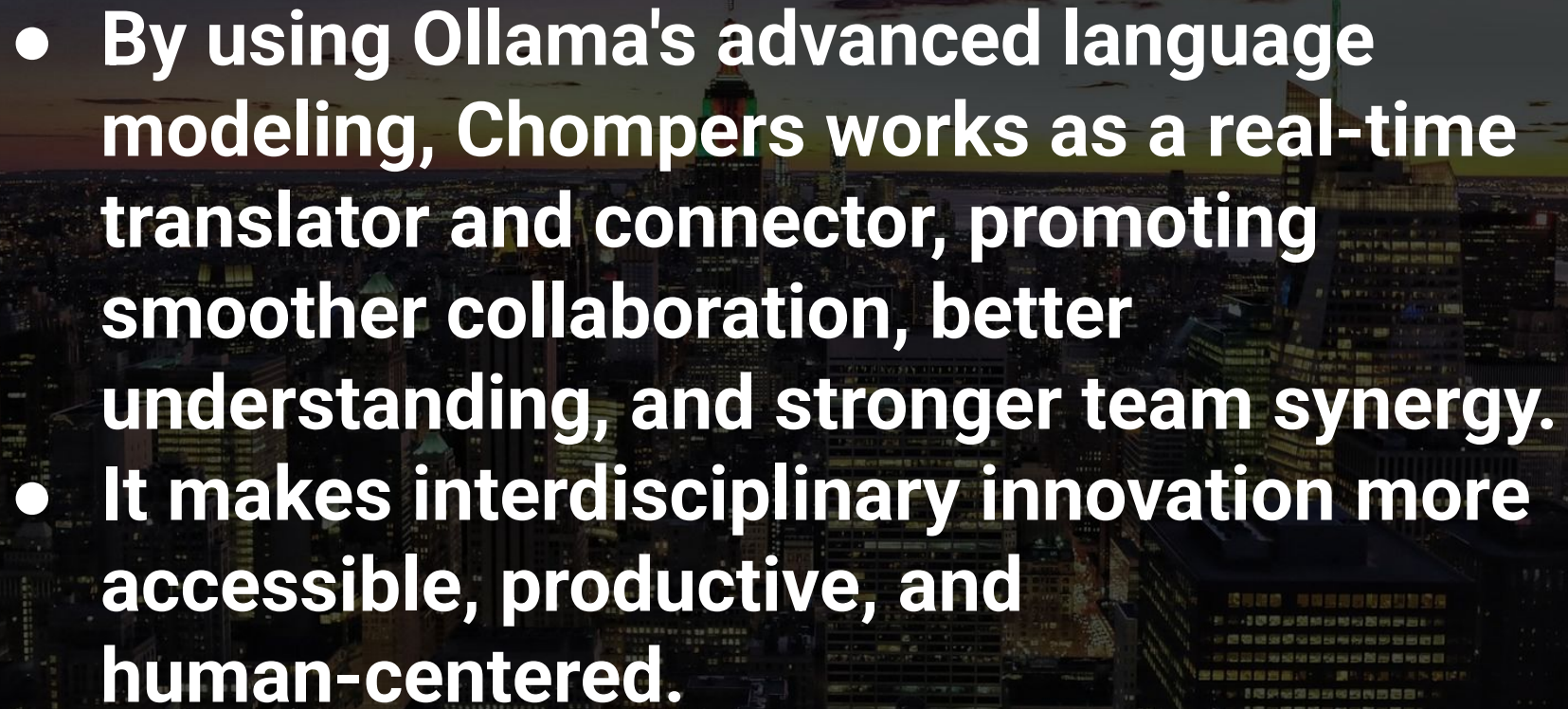


# “Chompers”

Chatbot Assistant



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- **Chompers is an AI-powered chatbot built with the Ollama library, designed to make communication and collaboration easier for interdisciplinary teams.**
  - **It helps translate specialized jargon, answers domain-specific questions, and bridges knowledge gaps between teammates from different fields.**

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- By using Ollama's advanced language modeling, Chompers works as a real-time translator and connector, promoting smoother collaboration, better understanding, and stronger team synergy.
  - It makes interdisciplinary innovation more accessible, productive, and human-centered.



# Jargon Translation

- Detects and translates field-specific terminology into simpler, cross-disciplinary language.
- Provides context by indicating the originating discipline.

Example: A biotech engineer says: "We need to account for CRISPR-Cas9 off-target effects in our assay validation."

Chompers Response: "CRISPR-Cas9 is a tool used in gene editing. 'Off-target effects' refer to unintended changes made to DNA. In this context, the speaker is concerned with making sure their test (assay) is accurate and doesn't cause unexpected genetic edits."



# Concept Clarification

- Helps users understand unfamiliar concepts by framing them within or across their own domain of knowledge.
- Rephrases or analogizes concepts using metaphors or parallels in the user's chosen domain.

Example: A graphic designer asks: "What does 'resonant frequency' mean for me?"

Chompers Response: "In engineering, resonant frequency is the natural vibration rate of an object. For a graphic designer, it's similar to visual rhythm—like how certain visual patterns resonate with viewers more powerfully, creating harmony or dissonance in a composition."





# Suggest Connections

- Proactively identifies and proposes relevant cross-disciplinary collaboration opportunities based on user input.
- Suggests teammates, use cases, or fields that could enhance the project.

Example: A UX researcher says: "I'm working on understanding emotional feedback in users for an AR experience."

Chompers Suggestion: "You might benefit from collaborating with a cognitive psychologist to interpret user emotion data and with a sound designer to shape audio cues that align with those responses."

## How It Works:

- **Chompers uses structured profiles (discipline, project, goals) and prompts Ollama to look for adjacent fields, similar problems, or successful interdisciplinary case studies.**
- **This helps teams discover new opportunities for collaboration and innovation.**



# Videos

- [https://drive.google.com/file/d/1wfFQx46ixJkgyXMj4W1vZgi7klwaGzhT/view?usp=drive\\_link](https://drive.google.com/file/d/1wfFQx46ixJkgyXMj4W1vZgi7klwaGzhT/view?usp=drive_link)
- [https://drive.google.com/file/d/1GxcYg8fjHAKt-OE8804Kh0stN\\_G4CBuQ/view?usp=drive\\_link](https://drive.google.com/file/d/1GxcYg8fjHAKt-OE8804Kh0stN_G4CBuQ/view?usp=drive_link)



An aerial photograph of the New York City skyline at dusk. The sky is a mix of dark blue and orange, with scattered clouds. The city is densely packed with skyscrapers, many of which are illuminated with their interior lights. The Empire State Building is prominent in the center, with its top lit in red and green. The Hudson River is visible on the right side of the image. The text "Thank You" is overlaid in the center in a large, white, sans-serif font.

Thank You

