### MICHIGAN STATE UNIVERSITY

# Beta Presentation Digital Avatar Assistant

The Capstone Experience

Team Ally

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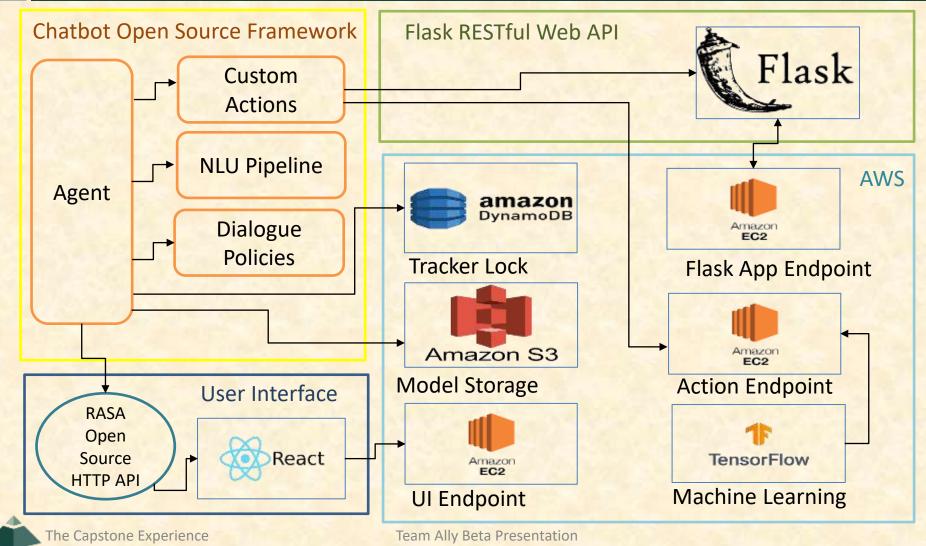
Fall 2021



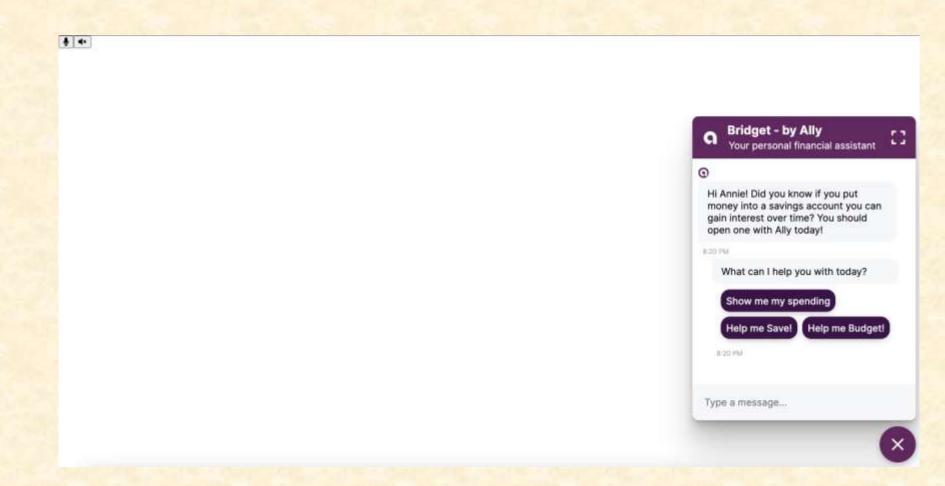
## **Project Overview**

- Al assistant designed to help a user budget & save more efficiently
- Assistant offers custom predictions & advice through machine learning and can help user budget/save across multiple categories of purchases
- Intended to emulate human conversation with assistant through animated avatar and STT/TTS functionality
- Supported on desktop & mobile web-app platforms through embedded widget UI

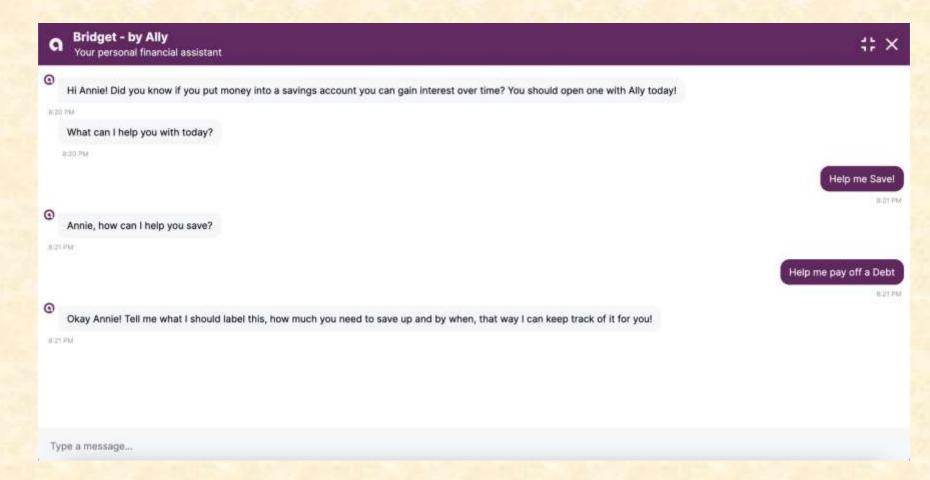
## System Architecture



# Desktop Website Widget

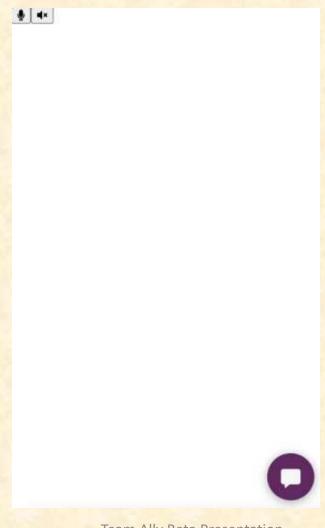


## Desktop Website Full Screen





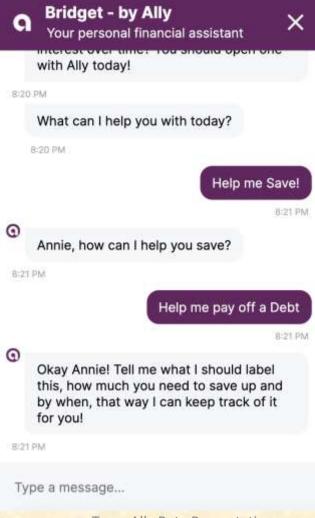
## Mobile Website Button View





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# Mobile Website Opened





### What's left to do?

#### Stretch Goals

- Output user info / data in more intuitively with graphs and images
- Improve STT by changing formatting of output text
  - Formatting dollar values
- Improve text/speech input recognizing capabilities to support varying user input
- Add extra use cases for a more well-rounded assistant
  - Date-based spending/saving suggestions

#### Other Tasks

- Create more emotions for digital avatar and integrate into the bot's output
- Integrate Mic/Mute button into header of UI widget
- Move application endpoints/storage to AWS components

## Questions?

