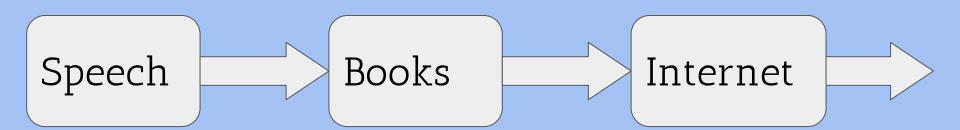
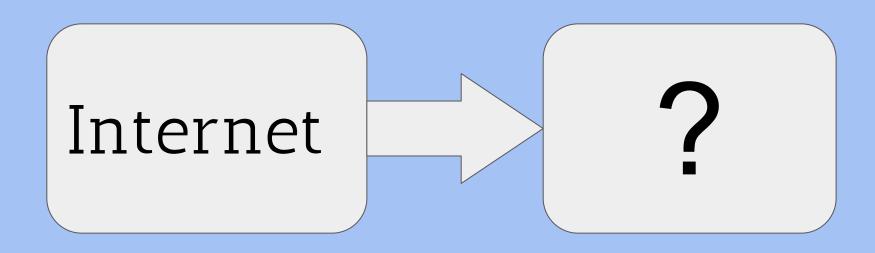
Humanity



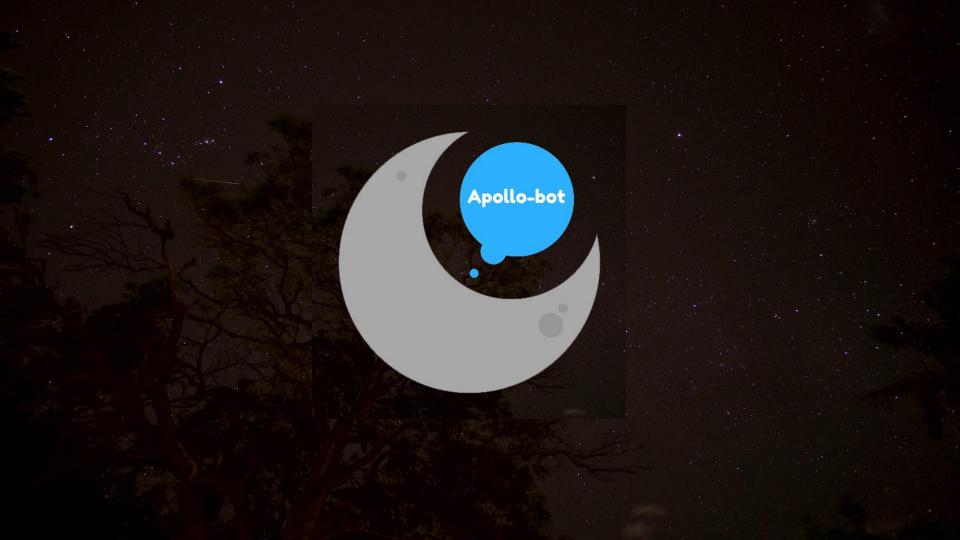
What's Next?

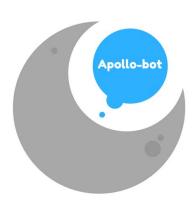


The Challenge

'Data Concierge'

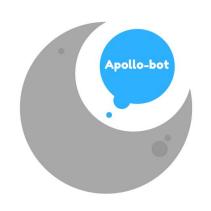
Develop an artificial intelligence tool to help Earth science data users and enthusiasts find datasets and resources of interest!





UN Global Goals

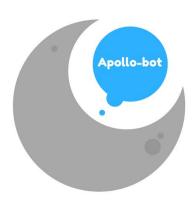




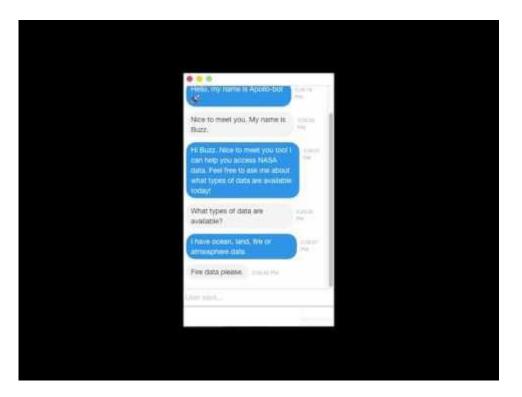
Our Solution

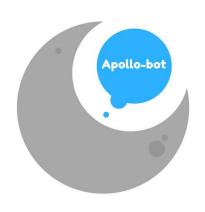
Create a Smart AI Chatbot.

'Apollo-bot'



Video Demo





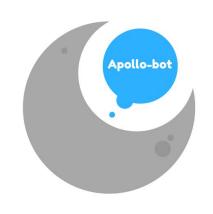
Why a bot?

It's not just a personal data assistant.

It's a powerful way to motivate action through connection.

We wanted to create something relatable to everyone.





Why a bot?

Consideration of various professionals

Big Scale

Air-quality managers

Climate analysts

Small scale

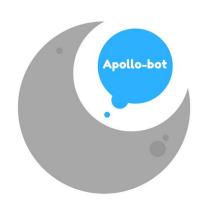
Fire prediction analysts

Farmers



Helps connect a wider audience to the impacts of climate change and environmental data.

Provides real-time information to users.

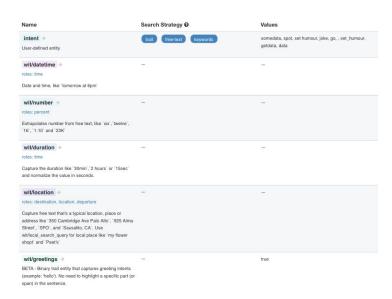


Specifications

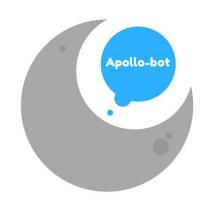
- Lower the barrier to entry of access to NASA Earth data
- Runs on Facebook Messenger
- Designed with Wit.AI
- Identifies the datasets most useful to the user
- Creates and returns visualized data to the user.

How do we do it?

- NLP (Natural Language Processing) algorithms
- Pilon NLU (Natural Language Understanding) algorithms

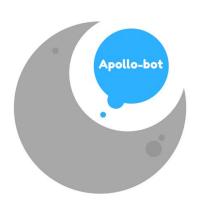


```
def select_joke(request):
   context = request['context']
   # jokes = all_jokes[context['cat'] or 'default']
   # shuffle(iokes)
   context['joke'] = all jokes['cat']
   return context
def get data(request):
   entities = client.message(request['text'])['entities']
   location = entities['location'][0]['value']
   time = entities['time'][0]['value']
   context = request['context']
   context['ret'] = str(Data(location, time).dataset)
   return context # str(data.dataset)
actions = {
   'send': send,
   'merge': merge.
   'select-joke': select joke.
   'getdata': get data,
client = Wit(access token=access token. actions=actions)
client.interactive()
```



Stretch Goals

- Potential to be scalable across other all NASA datasets and resources
- Potential to shift behaviour of consumers through accessibility and engagement.
- Voice control
- Direct OS integration Siri, Amazon Alexa, Cortana
- Knock-knock jokes



Humour Setting



Thank you

