



Park Pal

National Parks Service

Chat with
Park Pal
Today!



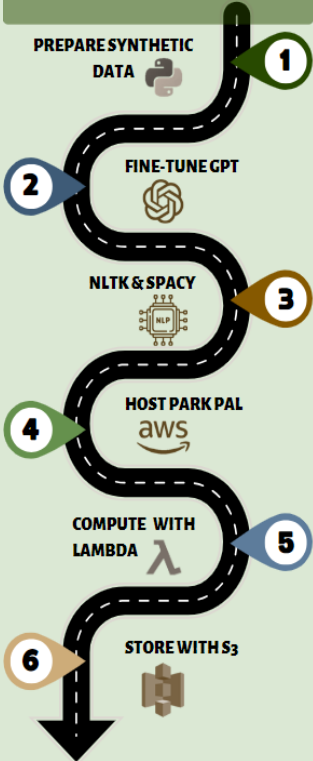
Designers:

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GitHub:

https://github.com/nblakk-anesser/MADS_Capstone

PROJECT ROADMAP



Synthetic Data

Synthetic queries were developed to represent questions that users may ask in association with five NPS API endpoint. The team used an 80/20 split to create test & validation data.

Separate queries were developed for evaluating the models to prevent data leakage.

82k Queries

OpenAI GPT

SpaCy

2012
Studying at ABC
Choose Change Graphic from the options.

NLTK

2012
Studying at ABC
Choose Change Graphic from the options.

Model Evaluation

Evaluation methodology

National Park Service: Park Pal

You can ask questions about parks, amenities, events, fees, and more. Type 'exit' to end the chat.

👤: How can I help you?

Where can I find Zion National Park?

🤖: Zion National Park is located at Zion National Park 1 Zion Park Blvd. in Springdale, Utah 84767

What is the description of the Grand Canyon?

🤖: Here is the description of Grand Canyon National Park: Entirely within Northern Arizona, the park encompasses 278 miles (447 km) of the Colorado River and adjacent uplands. Located on ancestral homeland of 11 present day Tribal Communities, Grand Canyon is one of the most spectacular examples of erosion anywhere in the world—a mile deep canyon unmatched in the incomparable vistas it offers visitors from the north and south rims.

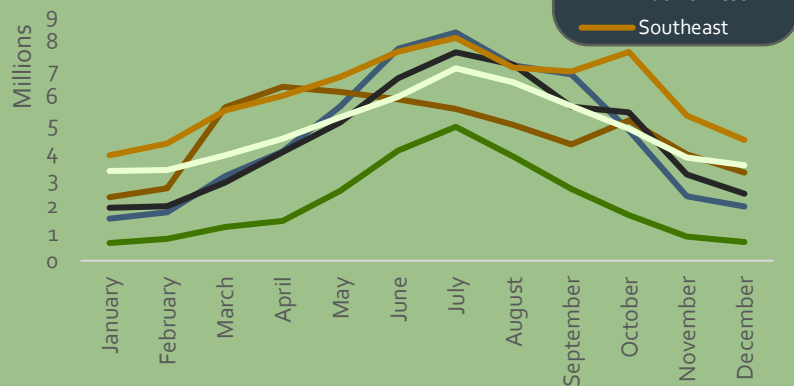
Type your message here...

Send

NPS Chatbot

PROJECT
STATEMENT

Recreational Visits 2023



Top 5 National Parks 2023

