

Astro Bot

(Your Space Companion)

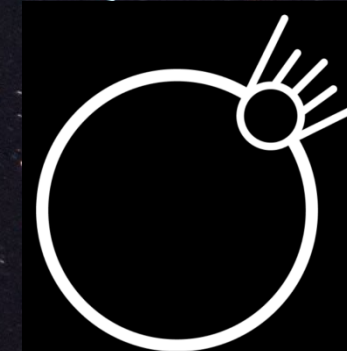
Challenge : *Create Your Own Challenge*

<https://github.com/Ajinkya1718/AstroBot>

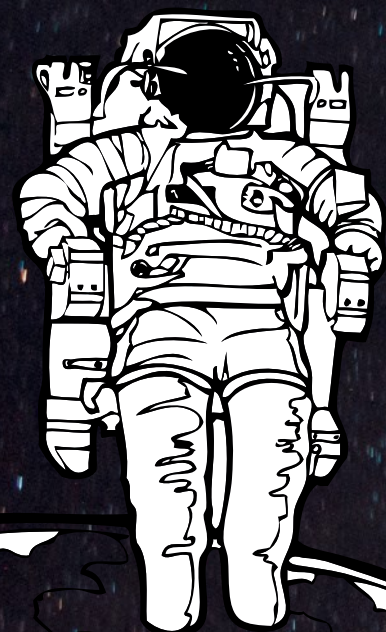
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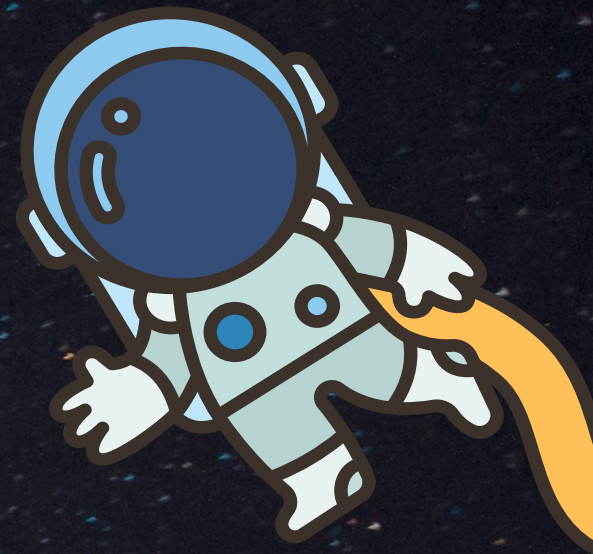


BYTE BUSTERS



NASA
INTERNATIONAL
SPACE APPS
CHALLENGE





IDEA OVERVIEW

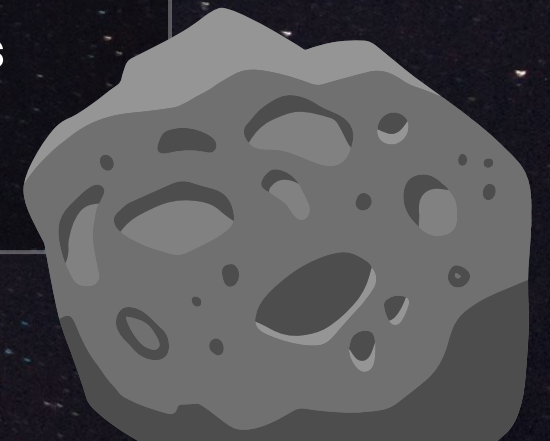
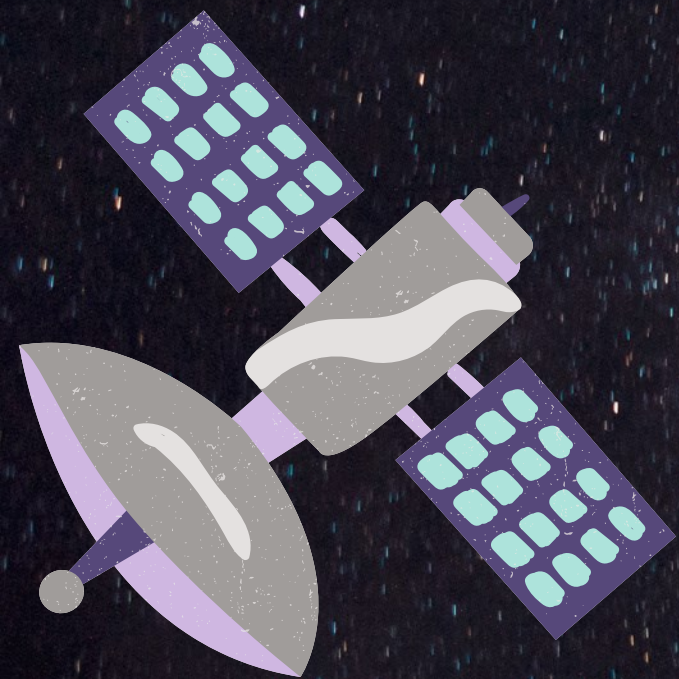
This innovative Astro Bot addresses the significant gap in accessible and timely information regarding space events, which limits public engagement and education in space exploration.

Many individuals are eager to learn about launches, meteor showers, and scientific discoveries but struggle to find accurate and up-to-date information.

This lack of accessibility not only restricts public participation but also diminishes awareness and understanding of space science.

The Astro Bot aims to provide an interactive platform that simplifies access to real-time updates about space events, catering to both enthusiasts and casual learners.

By offering an easy-to-use chatbot, the project seeks to foster interest in space, promote education, and enhance the overall experience for users who are eager to explore the universe.





PROJECT SUMMARY

(An interactive Astro chatbot designed for real-time space event information)



Problem Addressed

- **Lack of Accessibility:** Difficulty accessing timely information on space events.
- **Information Gaps:** Resources often provide incomplete or outdated updates.
- **Public Engagement:** Limited real-time updates hinder public interest.
- **Struggle for Learners:** Eager learners face challenges finding accurate information.
- **Need for Simplification:** Complex data overwhelms casual learners.
- **Impact on Awareness:** Diminished public awareness of space science.

User Engagement

- Instant answers through dialogue.
- Interactive Q&A

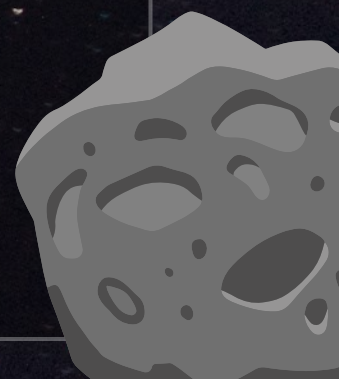
Data Simplification

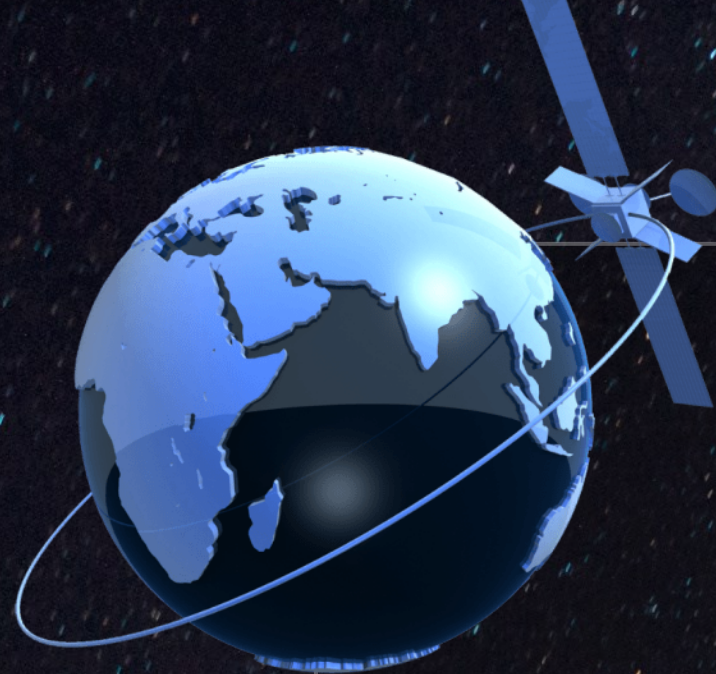
- **Easy to Understand:** Complex data simplified for clarity.
- **User-Friendly:** Encourages interest in space science.

Key Features

- **Real-Time Alerts:** Notifications for launches and events.
- **Educational Links:** Access to additional space resources.

Project Importance

- **Boosts Engagement:** Increases participation in space exploration.
 - **Encourages Learning**
 - **Appeals to All:** Engages enthusiasts and casual learners alike.
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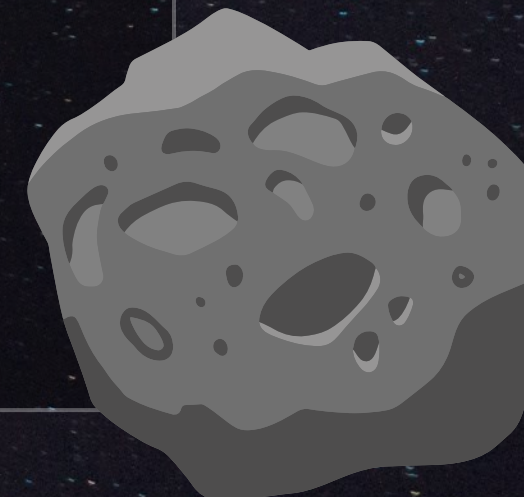
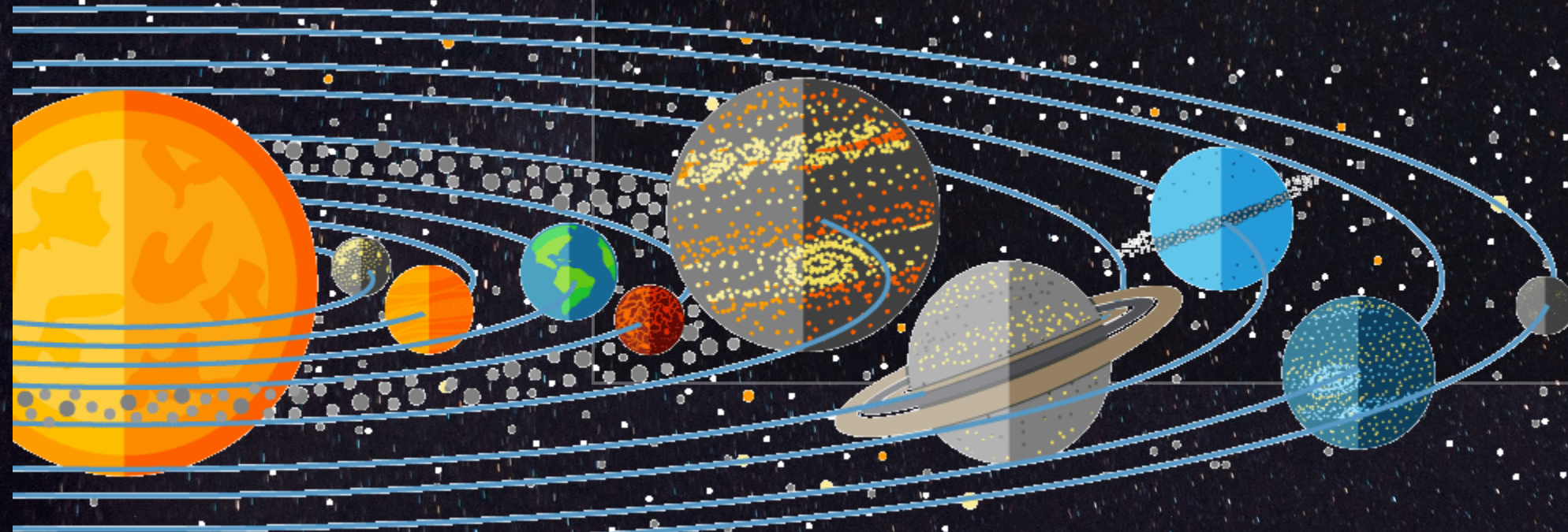


TECH STACK

Frontend : HTML , CSS , JavaScript

Backend : PythonFlask (Web Framework)

APIs: Integration with space agency APIs (such as NASA) for real-time data retrieval.



SUMMARY OF IMPACT

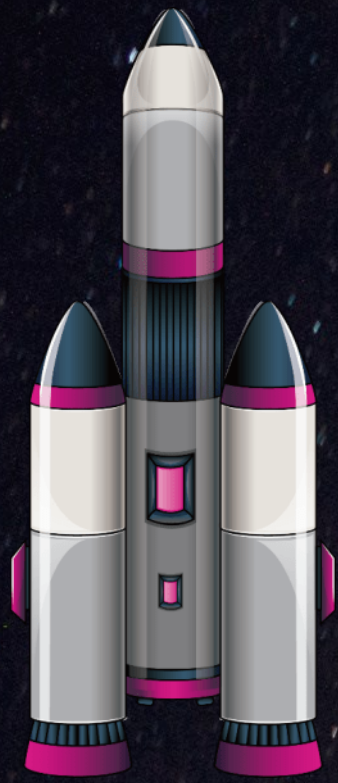
Democratizes Access : Astro Bot makes space information available to all.

Future Enhancements

- **Multilingual Support:** Plans to accommodate diverse users.
- **Multimedia Integration:** Incorporating videos and images for richer content.

Call to Action

- **Encourage Feedback:** Invite users to share their thoughts.
- **Collaboration:** Seek partnerships to enhance the bot's capabilities





AstroBot

Visual Representation

Prototype

What's the largest planet in our solar system?

That's an easy one! Jupiter is the biggest planet in our solar system. It's so massive that all the other planets in the solar system could fit inside it. 🤖
Talk about a heavyweight champion! 🏆

What's the name of the first man on the Moon?

One small step for man, one giant leap for mankind! 🚀 Neil Armstrong was the first human to set foot on the dusty lunar surface on July 20, 1969. A truly memorable moment in history! 🌕

What is current Mission of NASA

NASA has a ton of exciting missions going on right now! Here are a few of the big ones:

- **Artemis:** This program aims to land the first woman and the next man on the Moon! 🌕 It's a big step towards establishing a sustainable human presence on the Moon and using it as a stepping stone for future missions to Mars.
- **James Webb Space Telescope:** This incredible telescope is capturing stunning images of the universe, peering back in time to when the first

Type your cosmic question...

Send



THANKYOU



Presented By :



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