THE NEBULA BOT

BRINGING UNIVERSE TO EVERYONE'S FINGERTIPS

TEAM NEBULA AT A GLANCE

01

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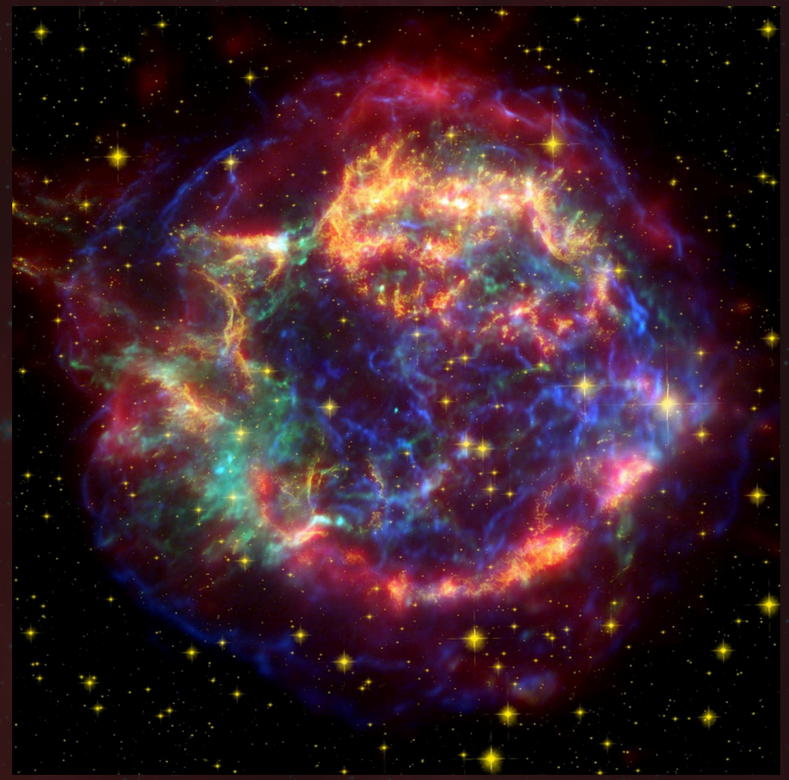


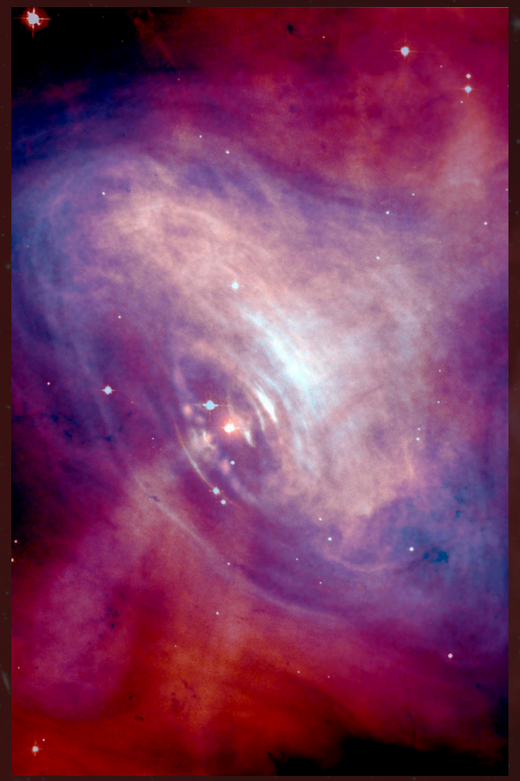
PROBLEM STATEMENT

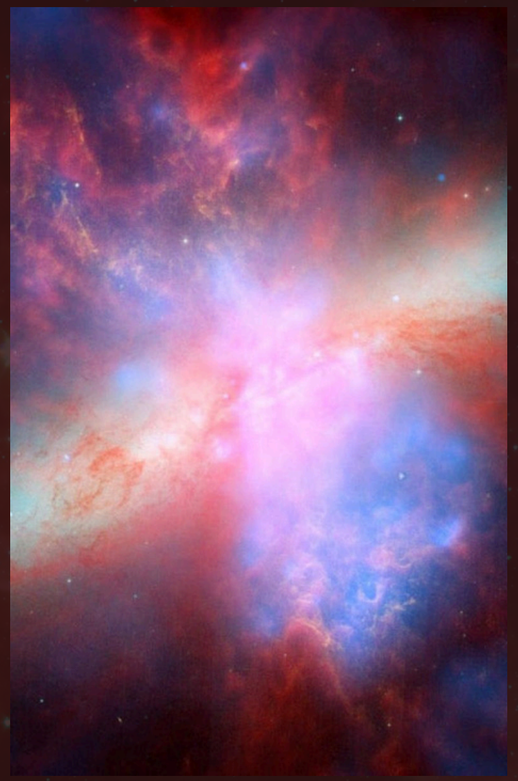
EDUCATIONAL ASTRONOMY CHATBOT

01

Why This Problem?

- Astronomy is fascinating but often inaccessible due to complex terminology and lack of resources.
- An interactive chatbot can make learning engaging and accessible to everyone.





SOLUTION OVERVIEW

What we'll Do?

- **Develop a chatbot that can answer astronomy-related questions, provide real-time data, and offer educational insights.**

DOES THAT ADDRESS THE PROBLEM

01
- Chatbot provides instant, user-friendly access to complex astronomical data.

02
- AR helps users connect with space in a visually impactful way.

03
- Combines education with technology to create an unforgettable learning experience.

Gupta & Geetha

DO WE USE TECHNOLOGIES

Yes , Ofc

01

Chatbot Development: Botpress

- Easy-to-use platform with no heavy coding required.
- Integrates seamlessly into web applications.

02

Website Design: Figma

- Enables precise and interactive UI/UX design.
- Simplifies the transition from design to development.

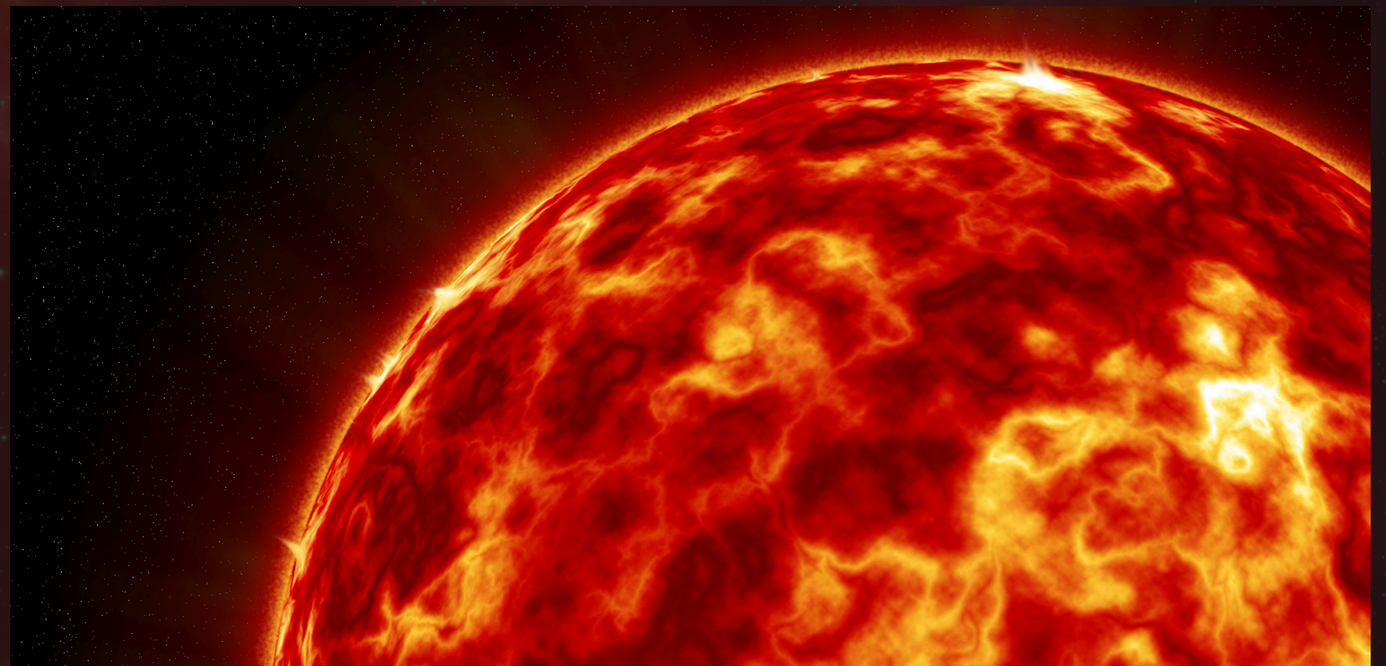
03

APIs Used:

- NASA API: Real-time space data (e.g., planetary positions, images, and astronomy facts).
- Additional APIs: Open Notify (for astronauts in space) and AstroBin (for space imagery).

EXPECTED OUTCOMES

- **Deliverables:**
  - **Fully functional chatbot capable of answering astronomy-related questions.**
  - **Integrated AR experience allowing users to visualize celestial objects.**
- **Impact:**
  - **Makes space education more engaging and accessible.**
  - **Encourages interest in astronomy and STEM fields.**
  - **Provides a scalable platform for future educational tools.**



ROAD MAP

Phase 1: Planning and Research

- Finalize problem statement and identify required tools and APIs.
- Research NASA API and Botpress capabilities.

Phase 2: Website Development

- Design website UI/UX in Figma.
- Export Figma design into a working website layout.

Phase 3: Chatbot Development

- Create chatbot in Botpress with predefined conversational flows.
- Train the chatbot with astronomy-related data using NASA API.

Phase 4: AR Integration

- Set up AR functionalities using 8th Wall.
- Develop interactions to visualize celestial objects in AR.

Phase 5: Integration

- Embed chatbot and AR features into the website.
- Test website, chatbot, and AR functionality together.

Phase 6: Testing and Deployment

- Conduct user testing to refine interactions.
- Deploy website on GITHUB.


THANK YOU