

ISS 25 EXPLORER



Created by
EXPLORER_BD



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E d i t o r



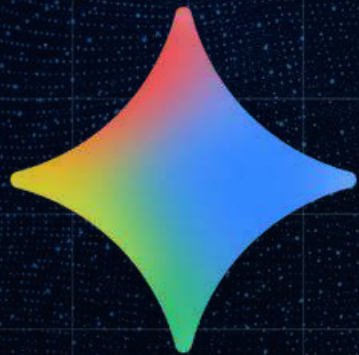
MST. Aab Reshmi
BA
Hajee Mohammad Danesh Science
and Technology University

R e s e a r c h e r

List of AI tool



Chat-GPT(Deep Research)



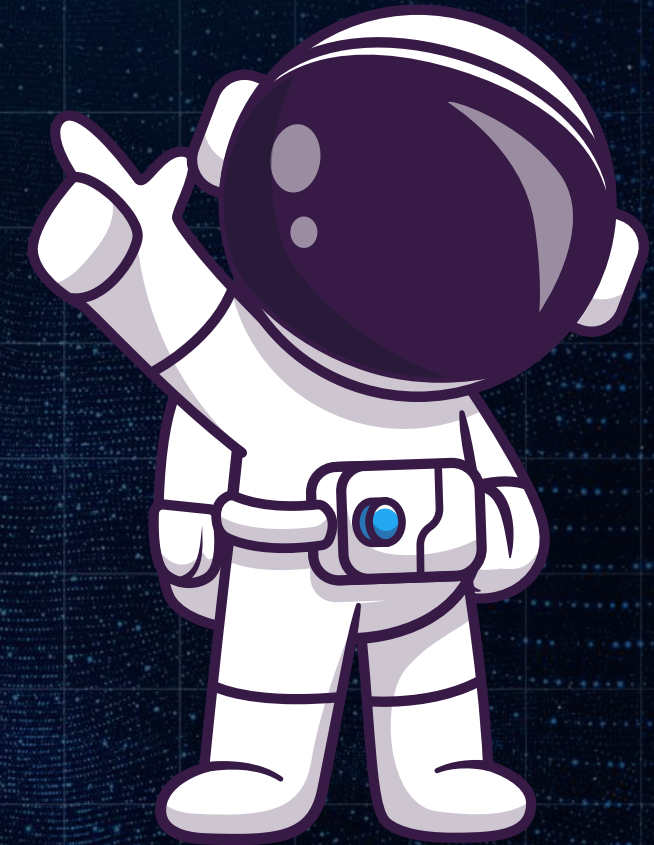
Gemini (Visuals)



Bolt.new (Coding)



ElevenLabs (professional narration)





Features



Learn About the ISS

Education Hub

Space Gallery

Cupola

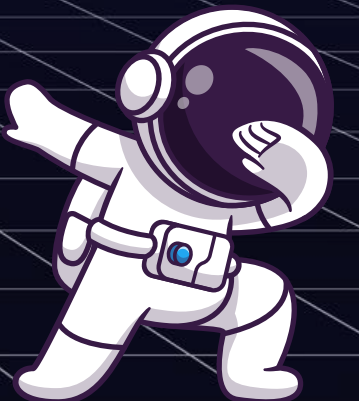
NLB

Physics Modules

Gaming Zone

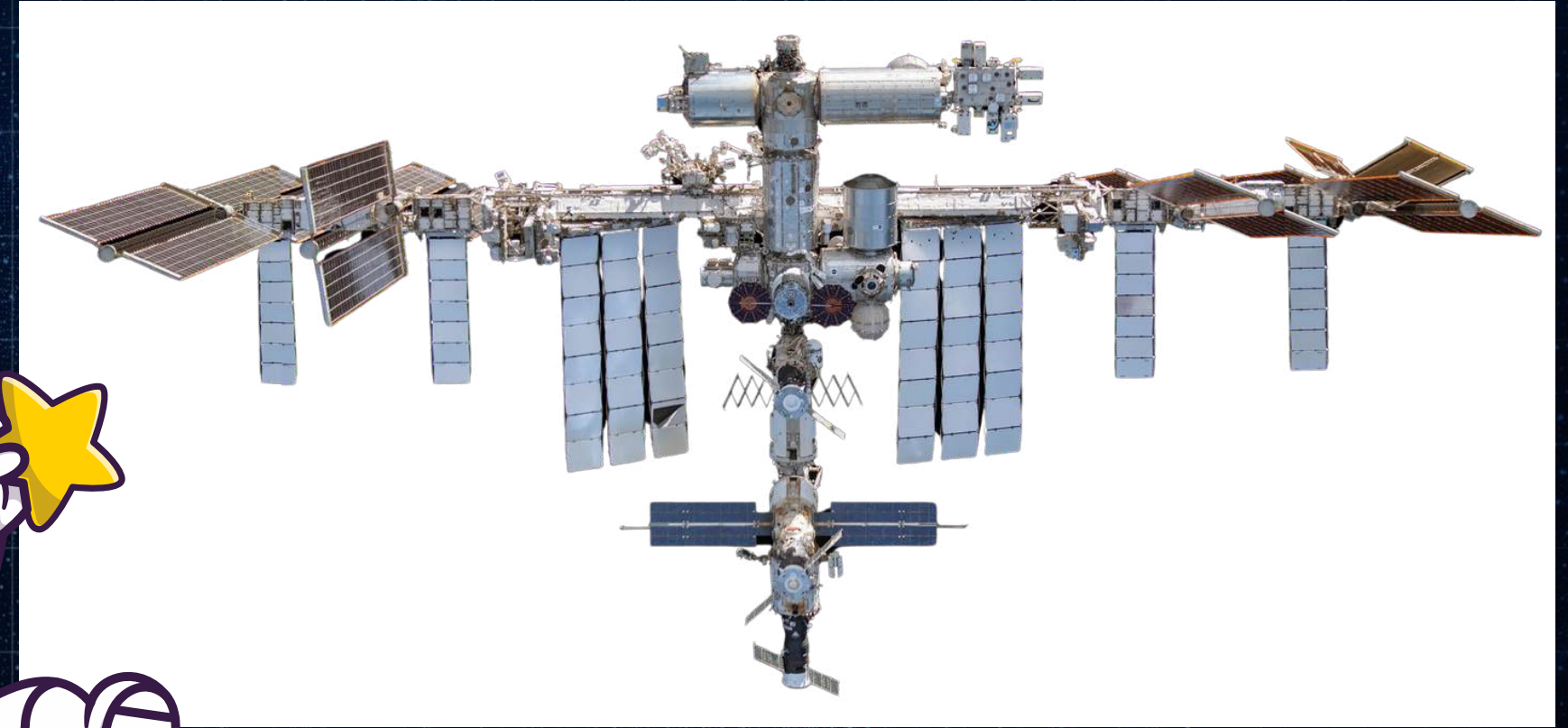
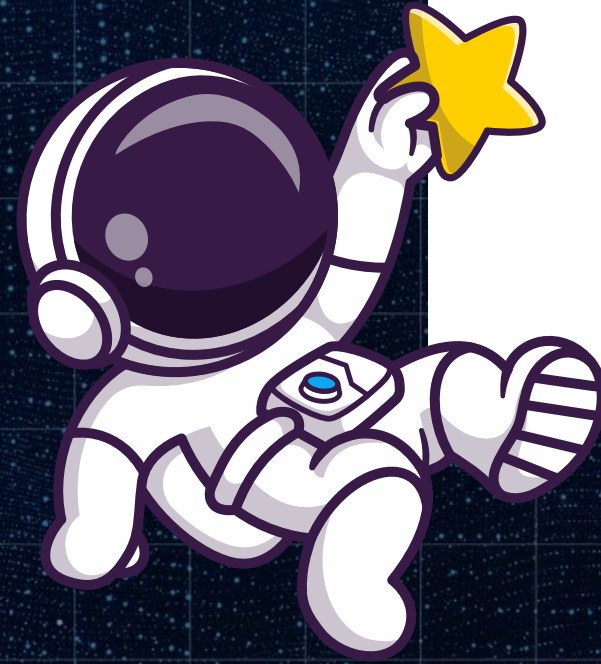
Community

AI Assistant



Learn About the ISS

- Overview
- ISS Live Stream
- History
- Science
- Life in Space
- Future



link: <https://www.nasa.gov/international-space-station/>

Discover the incredible story of humanity's greatest achievement in space - the International Space Station.

From concept to reality: The incredible journey of building humanity's home in space (25 Years of ISS History)

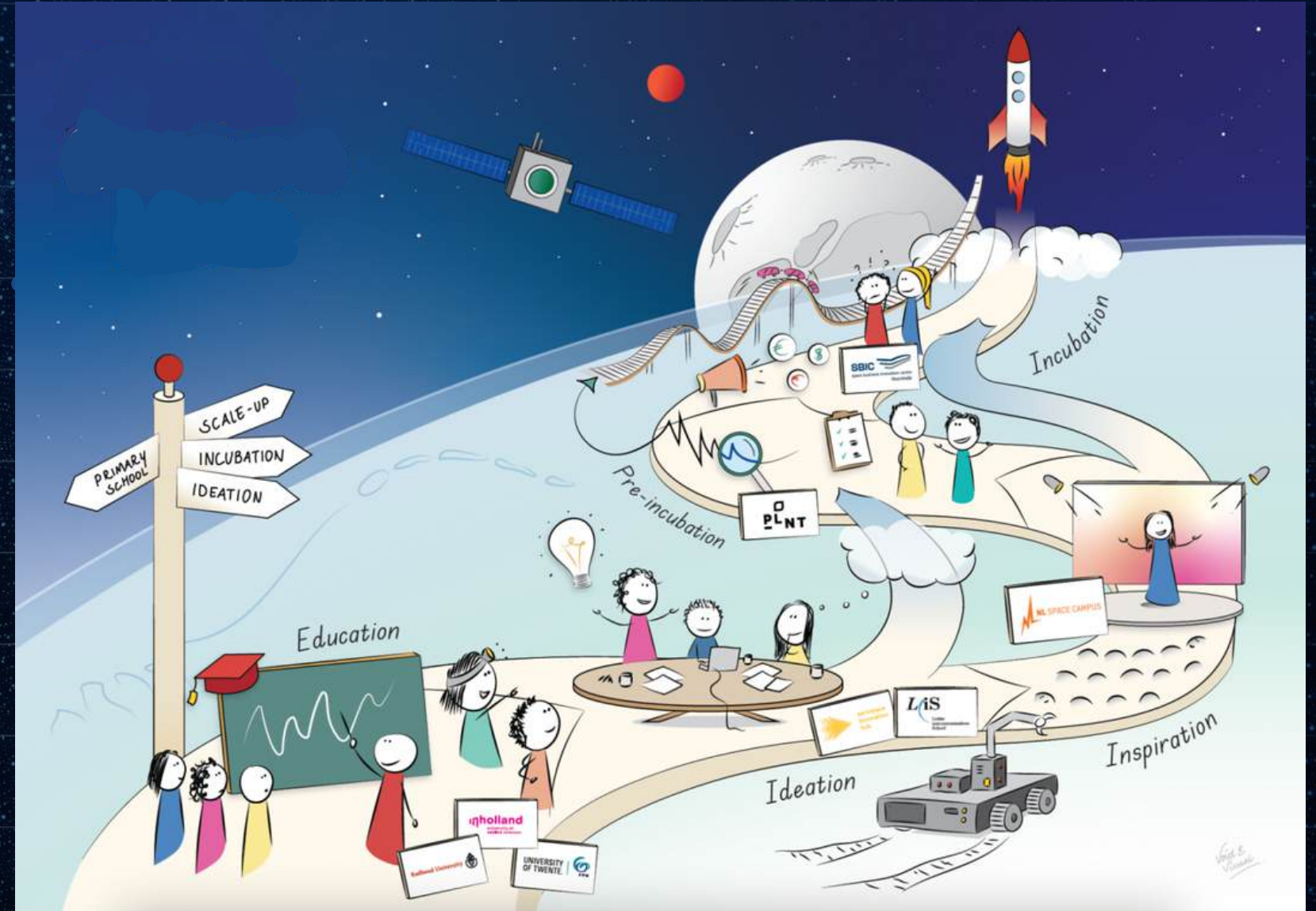
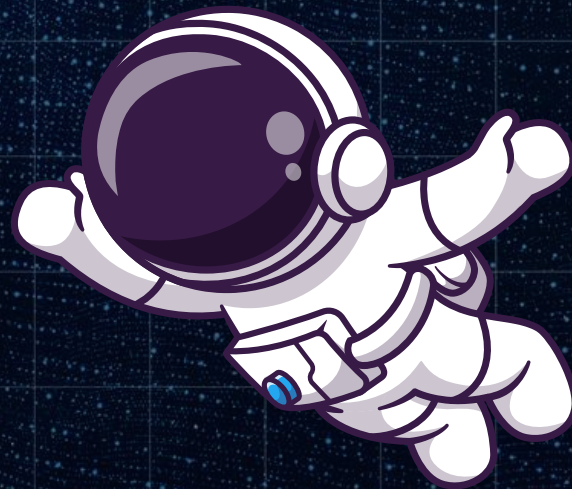
Over 3,000 experiments conducted, advancing human knowledge and technology (Scientific Research on the ISS)

Discover how astronauts live, work, and thrive in the unique environment of space (Life Aboard the ISS)

Looking ahead: The next chapter of human space exploration (Future of the ISS)

Education Hub

- Interactive Lessons
- 25 Years Timeline
- Astronaut Interview
- Resources



link: <https://www.nlspacecampus.eu/wp-content/uploads/2024/03/osh3-1536x1082.png>

Discover the wonders of the International Space Station through interactive lessons, historical timelines, and exclusive astronaut interviews

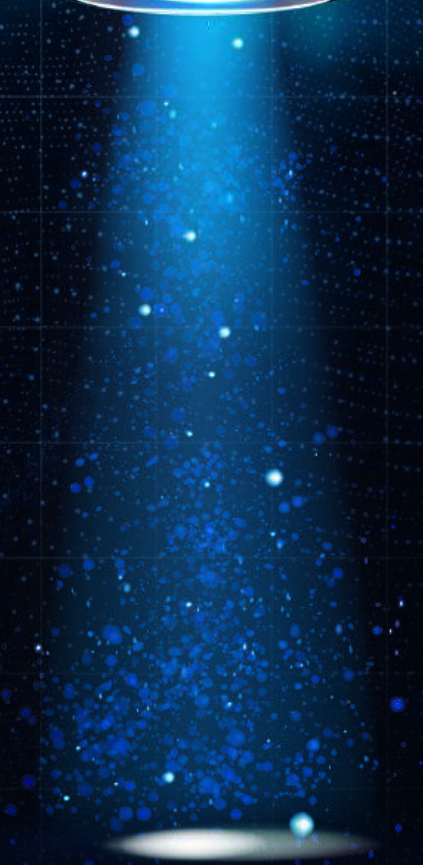
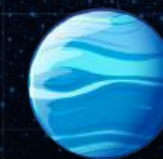
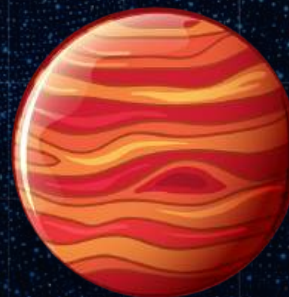
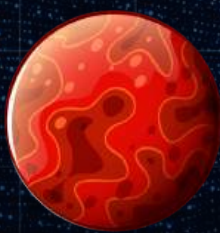
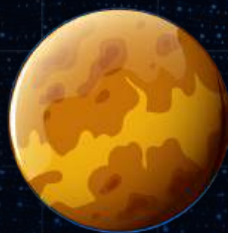
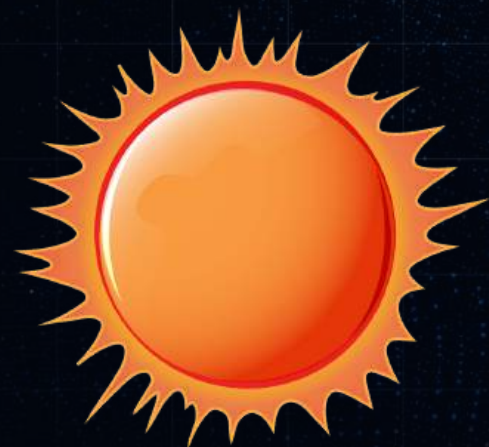
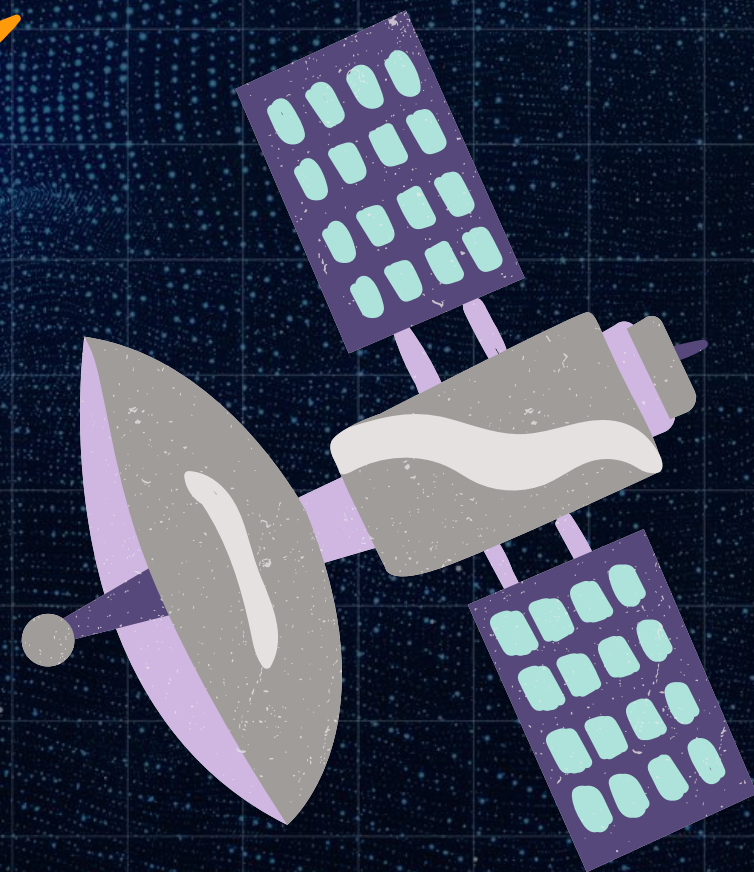
Journey through the major milestones of the International Space Station

Learn from the experiences of real astronauts who lived and worked on the ISS

Official NASA resources for deep learning and exploration

Space Gallery

Explore 56+ stunning images from NASA showcasing the beauty of space exploration and the International Space Station



Cupola

- Cupola Observatory
- Orbital Simulation
- ISS Tracker
- Space Missions
- Earth Changes
- VR/360° Cupola Experience

Demo (but functional)

If we want to have a real-time Cupola experience, we need high-quality technologies.

are

- 🛰️ 1. Live Data & Imaging Technology
 - NASA Earth Observation APIs (for real-time Earth imagery)
 - ISS Live Stream Feeds (to show the actual Earth view from Cupola)
 - Satellite Data Integration (to track ISS position and show correct Earth region)

- 🌐 2. Real-Time Processing & Networking
 - High-speed cloud servers (e.g., AWS, Google Cloud, Azure)
 - Low-latency data streaming (WebRTC, RTSP)
 - Real-time telemetry APIs (for ISS location, orbit path, etc.)

- 🎮 3. Immersive Visualization
 - 3D Rendering Engines (like Unity or Unreal Engine)
 - WebGL / Three.js (for interactive 3D experience on browsers)
 - Virtual Reality (VR) Headsets (for immersive Cupola view)
 - Augmented Reality (AR) tools (to overlay ISS data or constellations)

Neutral Buoyancy Lab (NLB)

- Mission Control
- Astronaut Setup
- NLB Training
- Knowledge Base
- Mission Log

Demo (but functional)

If we want to have a real-time Cupola experience, we need high-quality technologies.

are

⚙️ 1. 3D Simulation & Physics Engines:

- Unity / Unreal Engine
- Fluid dynamics simulation
- Motion physics systems

💻 2. Real-Time Visualization:

- WebGL / Three.js
- High-resolution 360° cameras
- Photogrammetry / LiDAR scanning

🕶️ 3. Immersive Experience (VR/AR/MR):

- Virtual Reality (VR) headsets (like Oculus Quest, HTC Vive)
- Augmented Reality (AR)
- Mixed Reality (MR)
- Photogrammetry / LiDAR scanning

Space Gaming Zone

- Space Snake
- 3D Space Shooter
- ISS Docking Simulator
- Space Memory



Challenge yourself with space-themed games that teach real space science concepts.

“Engage in space-themed games designed to teach authentic space science concepts through play.”

“Turn curiosity into discovery — play, explore, and learn real space science through exciting space-themed games!”



#Play. Learn. Explore. Space made fun



Global Space Community

- Community Feed
- NASA Challenges
- NASA Event
- LeaderBoard



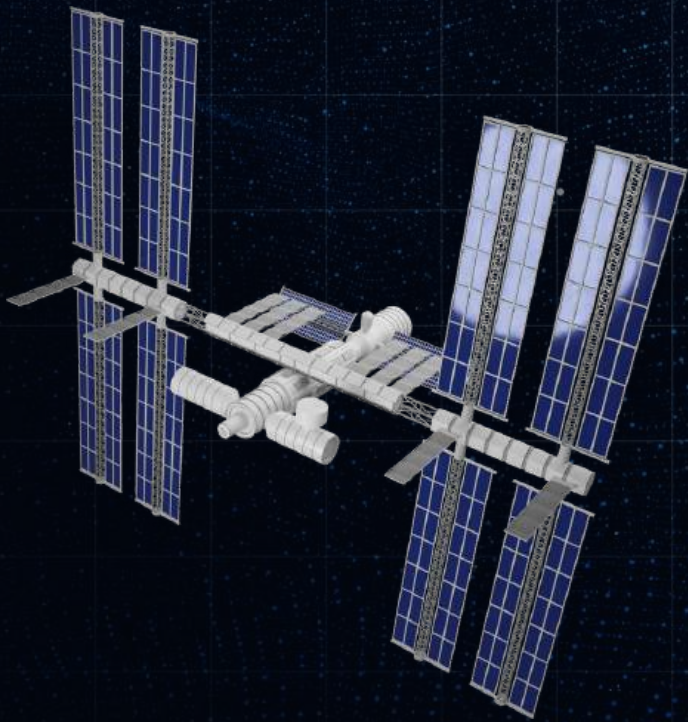
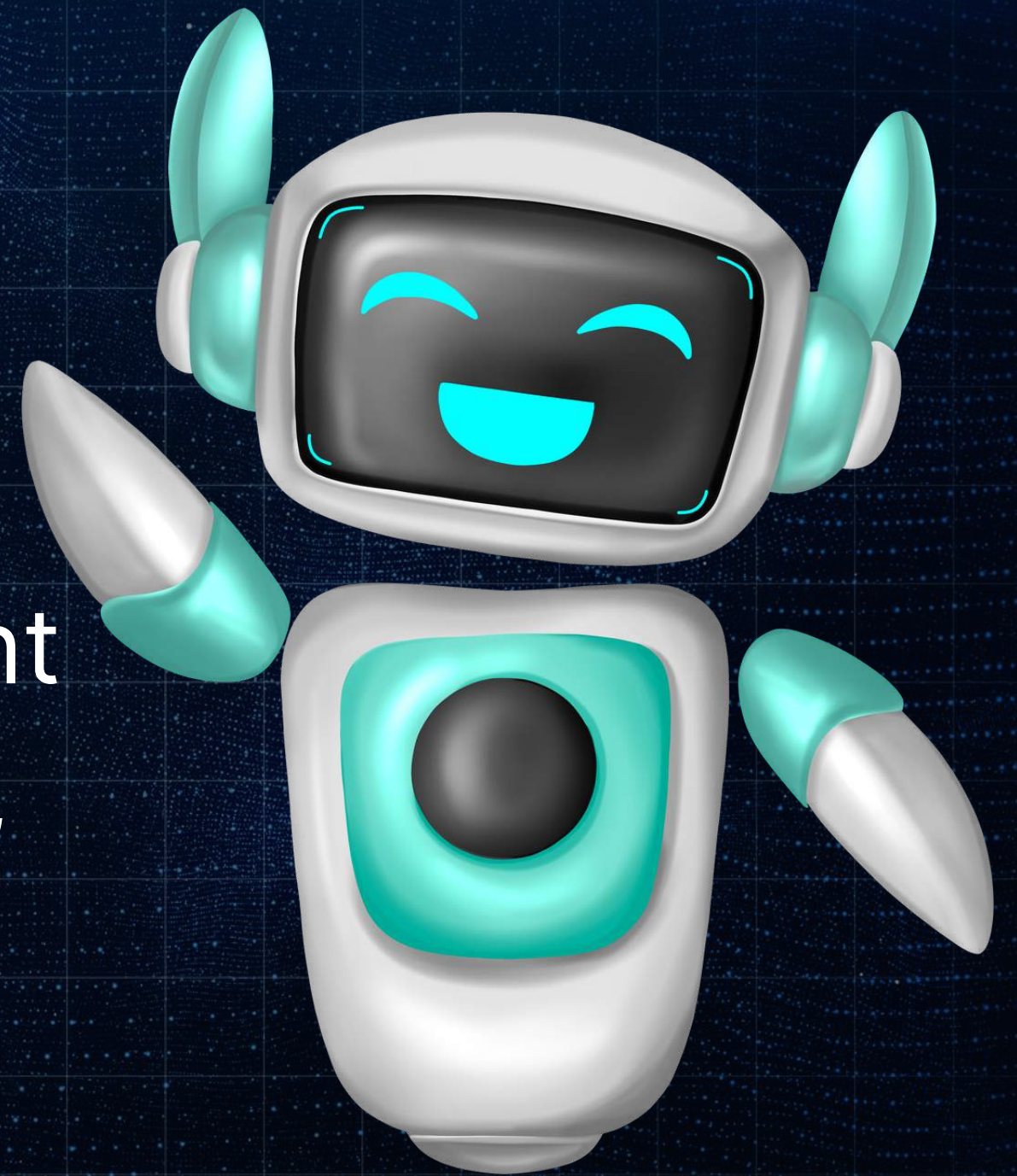
link: <https://limacharlieneews.com/space/the-space-foundation/>



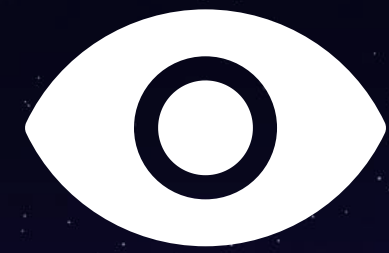
Connect with space enthusiasts worldwide, participate in NASA-based challenges, and share your passion for space exploration.

AI Space Assistant

Your intelligent companion for space exploration knowledge. Ask this AI Assistant anything about the ISS, NASA, astronauts, and space science!



NASA



Preview (Website)

Link: <https://iss-25-explorer-nasa-ol5u.bolt.host/>

START

Direct to website
(Iss 25 explorer)

click the button



THANK YOU

See You Next Time



<https://iss-25-explorer-nasa-ol5u.bolt.host/>

