

Jahnavi Dangeti, Biography, Mission, Titans Space Mission 2029

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Jahnavi Dangeti is a young Indian astronaut candidate whose selection for a 2029 private orbital space mission highlights India's growing presence in global human spaceflight. She represents a new generation of technically trained, internationally experienced space professionals. She has been selected by the US based Titan Space Industries. Her journey reflects the expanding role of private players in space exploration and the rising contribution of Indians to advanced aerospace missions, research and astronaut training programmes conducted outside traditional national space agencies.

Jahnavi Dangeti Biography

Jahnavi Dangeti hails from Palakollu in the West Godavari district of Andhra Pradesh and completed her early schooling in the Godavari region. She pursued a Bachelor's degree in Electronics and Communication Engineering from Lovely Professional University, Punjab which built a strong technical foundation. Her parents, Padmasri and Srinivas, are based in Kuwait. In 2022, she became the youngest foreign analogue astronaut and the first Indian selected at the Analogue Astronaut Training Centre in Kraków, Poland.

Jahnavi Dangeti Mission

Jahnavi Dangeti was selected as an Astronaut Candidate under Titan Space Industries' ASCAN programme, confirming her entry into a competitive cohort preparing for orbital human spaceflight scheduled in 2029.

- From 2026 onwards, she will undergo nearly three years of structured astronaut preparation, including flight simulations, spacecraft systems training, survival exercises and repeated medical and psychological evaluations.
- Jahnavi has worked with the International Astronomical Search Collaboration, a NASA supported initiative, contributing to asteroid search projects using Pan-STARRS telescope data from Hawaii.
- She became the first Indian to complete NASA's International Air and Space Program as acknowledged by India's Union Minister of Civil Aviation.
- Her work has earned her the **"People's Choice Award"** at the **NASA Space Apps Challenge** and the **"Young Achiever Award"** during **ISRO's World Space Week** celebrations.
- Her scheduled 2029 flight reflects the increasing participation of Indian origin professionals in private global space missions, highlighting evolving pathways beyond traditional government led space programs.

Titans Space Mission 2029

The Titans Space Mission 2029 is a privately led orbital flight focused on astronaut training, microgravity research and commercial human spaceflight advancement.

- **Mission Duration and Profile:** The planned orbital mission will last around five hours, during which the crew will circle Earth twice, witnessing two sunrises and two sunsets in low Earth orbit.
- **Microgravity Research Window:** The flight is expected to provide close to three hours of continuous microgravity, enabling scientific experiments and human adaptation studies in a short duration orbital environment.
- **Mission Leadership:** The mission will be led by Colonel (Retd.) William McArthur Jr., a veteran NASA astronaut and former International Space Station commander, serving as Chief Astronaut of Titan Space Industries.

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