



## CONTACT



Kathmandu, Nepal  
sakshyamprabhatadhikari@gmail.com  
spadhik2@asu.edu  
info.nepal@globalsteminitiative.org  
+9779749749572

## EDUCATION

### 1) ST XAVIER'S COLLEGE

- High School, Grade 11 and Grade 12

### 2) TRIYOG HIGH SCHOOL

- High School, Grade 9 and Grade 10

## SKILLS #1

- Research
- NASA Proposal Writing
- NASA Proposal Evaluation and Review
- Strategic Planning and Collaboration for Non-Profits
- Leadership
- Effective communication
- Project management
- Siemens NX, OpenRocket
- Microsoft Office
- HTML, CSS, JavaScript
- Graphic Design, Balsamiq Wireframes, Draw.io
- MySQL, Java

## LANGUAGES

- English (Fluent)
- Nepali( Fluent)
- Hindi (Fluent)
- Japanese (Basic)

# SAKSHYAM PRABHAT ADHIKARI

DIRECTOR, SPACE RESEARCHER, SPACE AMBASSADOR

LINKS ATTACHED HERE :      

## WORK EXPERIENCE

(The Google Drive links above contain the evidence of my work experience and professional certificates.)

### Global STEM Initiative

Chapter Director

APRIL 2024 - PRESENT

- Lead, mentor, and manage a high-performing team, fostering a collaborative and results-driven work environment for GSI.
- Planning, developing, and implementing GSI initiatives and programs consistent with the organization's goals, values, and standards.
- Advocating for the improvement and accessibility of STEM education by collaborating with educational institutions, government agencies, and community leaders.

### International Space Station National Laboratory

Space Ambassador

FEBRUARY 2024- PRESENT

- Making space accessible to everyone through public and educational outreach programs.

### The Mars Generation

Space Ambassador

APRIL 2023- PRESENT

- Making space accessible to everyone through public and educational outreach programs.

### Kadamabari Multinational Group Private Limited

Remote Technical Manager

NOVEMBER 2020- PRESENT

- Lead a team by providing direction and technical expertise in design, development, and system integration.
- Provide technical training to the teams, serve as a mentor, and be responsible for recruiting the workforce.

### Space Generation Advisory Council

Researcher

MAY 2024 - SEP 2024

- I worked on a research project titled "Advancing Deep Space Exploration through Maneuverable Solar Sailed Small Satellites"

### NASA L'SPACE NPWEE

Primary Reviewer

JANUARY 2024- APRIL 2024

- I reviewed three different NASA proposals under the guidance of John Dankanich, Chief Technologist of the NASA Marshall Space Flight Center.

### Principal Investigator

- Lead a research proposal and a team of 15 people from all over the US.
- We successfully submitted our research proposal and New Technology Report (NTR) on In-Situ Resource Utilization on Mars to NASA.

### Mission Assurance Specialist

- This was my secondary role, and I was responsible for making sure that the potential risks were always a minimal threat to all the team members while also ensuring that all the team members clearly comprehended the potential hazards associated with their assigned tasks.

### Arizona State University Interplanetary Initiative

Research Fellow

AUGUST 2023 - DECEMBER 2023

- I worked on a research project called "Mars on the Field," which is basically an immersive walkable virtual reality experience that takes place on the physical Arizona State University football stadium field.



## CERTIFICATIONS

- ASU Startup School, Stage 1
- Introduction to Aerospace Engineering: Astronautics and Human Spaceflight
- The Process and Lifetime of a Space Mission
- Understanding the NASA System Engineering Process
- Inclusive Mindset: Tools for Building Positive Team Culture
- Globe Observer Training
- Asteroid Defense 101
- NASA ARSET Training
- NASA L'SPACE MCA
- NASA L'SPACE NPWEE

## SKILLS #2

- Public Relations
- Data Analysis
- Strategic Planning
- Strategic Communications
- Teamwork
- Image Analysis
- Observational Astronomy
- System Topics
- Requirements
- Volunteering
- Community Service
- Community Outreach
- Risk Assessment
- Risk Mitigation
- Workshop Lead
- Astrometrica

# SAKSHYAM PRABHAT ADHIKARI

## WORK EXPERIENCE

### NASA L'SPACE MCA

MAY 2023- SEPTEMBER 2023

Scientist

- I worked as a scientist for NASA L'SPACE Mission Concept Academy Team 17, where we created a preliminary design review (PDR) of a rover that can potentially land on dwarf planet Ceres.

Mission Assurance Specialist

- This was my secondary role, and I was responsible for making sure that the potential risks were always a minimal threat to all the team members while also ensuring that all the team members clearly comprehended the potential hazards associated with their assigned tasks.

### NASA ARSET

MAY 2023- MAY 2023

Trainee

- I went through NASA's Applied Remote Sensing Training (ARSET) on Application of NASA SPoRT-Land Information System (SPoRT-LIS) Soil Moisture Data for Drought.

### NASA Citizen Science

APRIL 2023- DECEMBER 2023

Citizen Scientist

- I worked on various NASA Citizen Science Projects, such as GLOBE Observer: Clouds and Backyard Worlds: Planet 9.

### Toastmaster's International

MARCH 2020- AUGUST 2022

Sergeant at Arms

- I worked as a sergeant at arms (SAA) at Toastmaster's International, which is essentially an international public speaking organization. Sergeant at Arms is a club officer at Toastmasters Club who holds important roles and responsibilities in the club, and my responsibilities were club property management, meeting room preparation, hospitality, and making sure that the meeting runs smoothly.

Workshop Lead

- I conducted a mental workshop named "Rewiring your Anxious Brain during COVID Crisis" and during COVID times inviting licensed psychologist. The workshop was extremely successful, with 100+ people from all over the world, and it was very fruitful. The meeting was conducted on Zoom Online.
- I conducted a meditation workshop named "Learn to Breathe," inviting a licensed yoga instructor on May 10, 2020, to calm the anxiety during the COVID crisis. The workshop was extremely successful, with the involvement of multiple people around the world in a Zoom meeting.

General Member Board

- I took part in various public speaking competitions organized by Toastmaster's International and have won multiple awards throughout my public speaking journey.



## MEMBER OF THE FOLLOWING ORGANIZATIONS

- Space Generation Advisory Council  
(March 2023–Present)
- SGAC Small Satellite Project Group  
(March 2024– Present)
- SGAC NEO Project Group  
( Feb 2024– Present)
- Engineers without Borders USA  
(May 2023–Present)
- Astronomers without Borders  
(March 2023–Present)
- STEM for Development (April  
2023–Present)
- SEDS-ASU Rocketry Division (April  
2023–May 2024)
- IDEAS Student Society at ASU  
(April 2023–May 2024)
- Astronomy Club at ASU (May  
2023–May 2024)
- Toastmasters International (March  
2020–August 2022)
- Leo Club (July 2020–July 2021)
- Rotaract Club (June 2019–July  
2020)
- Orator's House (December 2017–  
January 2018)

# SAKSHYAM PRABHAT ADHIKARI

## VOLUNTEER ( JAN 2019- SEP 2021)

- Leo Club International: I participated in mental health programs and a winter clothes donation program for poor people. I donated winter clothes for poor people.
- Team Arogya: I volunteered for the "Mental Health Matters" program organized by Team Arogya and the Leo Club of Kathmandu Empire, held from October 8 to October 16 on the occasion of World Mental Health Day on October 10, 2020.
- KIST Medical College Student Society (KMSS): I participated and volunteered in the health program conducted by KMSS on the occasion of World Health Day 2019.

## PHILANTHROPY ( FEB 2019- SEP 2021)

- Navakiran Children Home (Orphanage): I have donated clothes, money, food, and other essential items on a regular basis to an orphanage named Navakiran Children Home.

## HONORS AND AWARDS

- Better Table Topic Speaker: Issued by Lead Box Toastmasters Club, Associated with Toastmasters International, May 2021
- Better Table Topic Speaker: Issued by Baneshwor Toastmasters Club, Associated with Toastmasters International, May 2021
- Better Auxiliary Role Player Award: Issued by Chitwan Toastmasters Club Associated with Toastmasters International, June 2021
- The Better Role Player Award (grammarian): Issued by Jhapa Toastmasters Club Associated with Toastmasters International, June 2021
- Better Role Player Award: Issued by Healers Toastmasters Club Associated with Toastmasters International, May 2021
- Better Role Player Award (Timer): Issued by Jhapa Toastmasters Club Associated with Toastmasters International, May 2021
- Certificate of Participation: Issued by Team Arogya and Leo Club of Kathmandu Empire Associated with Leo Club International, October 2020
- Certificate of Congratulations for Being Appointed as a General Member, Issued by Leo Club of Kathmandu Empire Associated with Leo Club International, July 2020
- Certificate of Participation, Issued by the KIST Medical College Student Society, October 2020
- Certificate of Merit, Issued by Triyog Higher Secondary School, March 2012
- Certificate of Appreciation, Issued by Mind and Memory Developers Private Limited, January 2011