

ASU Enterprise Technology

Next Lab Project Acacia - Internship Fall 2024

Hadisa Rezayee
Laila Sahar
Rahila Jafari
Zoshan Sharifi



Overview

Technical skills

- 360 Camera
- 360 Insta Application
- Photography
- Matterport Technology

Leadership skills

- Growth Mindset
- Values-Driven Leadership
- Futures Thinking: Looking 10 years back & forward

Demo

- Demo
- Questions & Answers

Introduction to Project Acacia

- Created **virtual models** with Matterport and 360° Technology
- **Tools:** Matterport, Insta360 camera, and Insta360 app
- **Matterport licenses** to use the tools for 3D scanning and modeling
- **Weekly meetings** to share updates, solve challenges, and learn new skills
- Captured physical spaces using **Matterport cameras** to build detailed virtual models
- Created a **sample model** to show how these virtual spaces can be useful



Our Roles in the Project

Technical Skills



Matterport



Leadership Skills





Insta360 Camera

A camera that captures everything around you in 360°. It's like having eyes in every direction.

- **Dual Lenses:** Captures everything around it in 360° using two wide-angle lenses.
- **Image Stitching:** Combines the images from both lenses into a seamless photo or video.
- **Real-Time Preview:** You can connect your phone to the camera to preview the photo in real time.
- **How to Connect:** Use Wi-Fi or Bluetooth to pair the camera with your phone.

Application: Insta360



- Works with 360 camera
- Connects via WiFi & Bluetooth
- Real-time control of camera sitting
- Key Elements
 - Walls, ceilings, floor patterns & textures
- Lighting
 - Consistent and clear visibility, Natural light

Photography

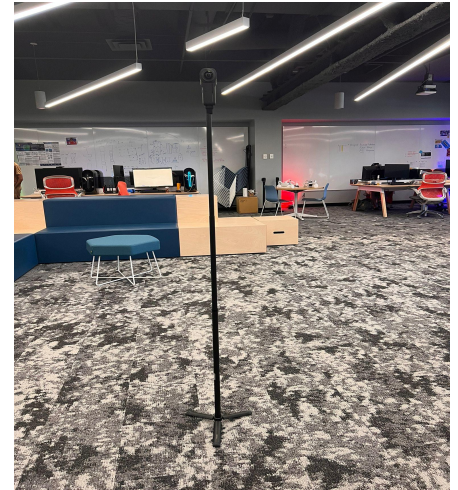
1. Capturing images with 360 Camera

- Choose the right location
- Stabilize the camera
- Set the resolution
- Ensure proper stitching

Low setup



High setup



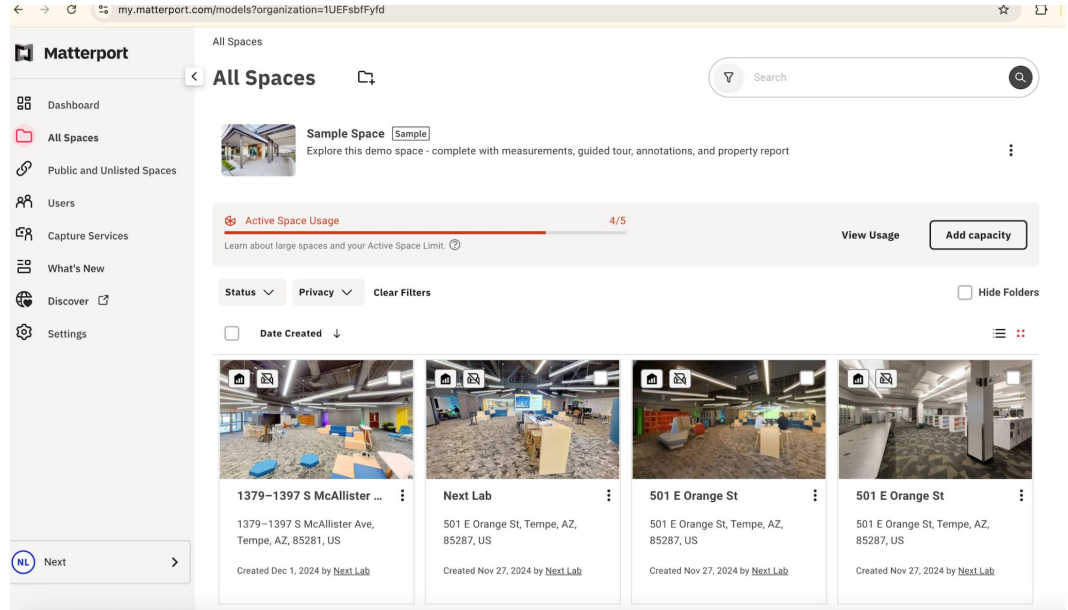
2. Editing

- Windows
- Mirrors
- Trim



3. Uploading a picture to Matterport Space

- Log in to Matterport account and open the desired Space.
- Go to the "Media" section and click "Upload."
- Select and upload your image.
- Arrange and tag the image in specific locations within the Space.



Reimagining Libraries with Matterport Technology

Objective

Transform the library experience by creating immersive, virtual reality spaces using Matterport.

Goal

Make the library more accessible, engaging, and interactive for users worldwide.

Impact

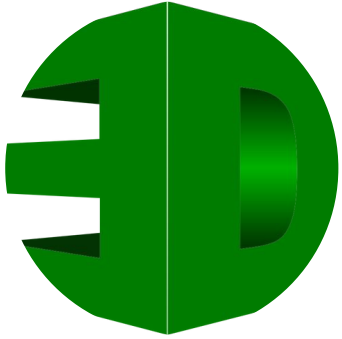
Enable remote exploration, enhance digital literacy, and preserve cultural and educational resources in a cutting-edge format.



Reimagining Libraries with Matterport Technology



Key Features



3D Visualization

Capture and visualize spaces in stunning detail.



Virtual Tours

Create interactive experiences for clients and stakeholders.



Measurement Tools

Accurate measurements and floor plans generated from scans.



Floor plan

Affordable way to create professional-grade schematic floor plans without extra appointments or visits.

Licensing Overview

Matterport offers various licensing options tailored to different user needs



Free Trial

Explore basic features with limited scans.



Subscription Plans

Monthly or annual plans for professionals and businesses.



Enterprise Solutions

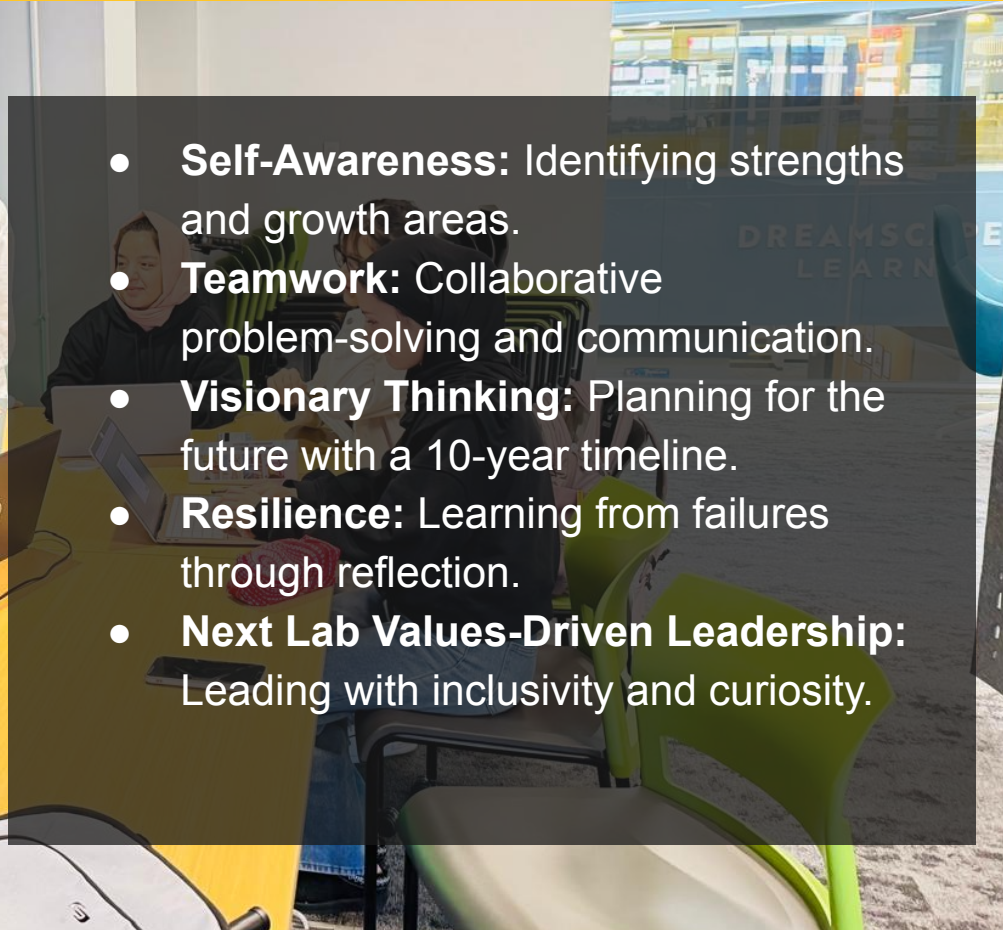
Custom solutions for large organizations with specific needs.



Our Space

On our plan we give you five space that allow us to place 200+ pictures.

Leadership Skills I Developed at ASU Next Lab



- **Self-Awareness:** Identifying strengths and growth areas.
- **Teamwork:** Collaborative problem-solving and communication.
- **Visionary Thinking:** Planning for the future with a 10-year timeline.
- **Resilience:** Learning from failures through reflection.
- **Next Lab Values-Driven Leadership:** Leading with inclusivity and curiosity.

Leadership skills

Enhance leadership in:

- **Self:** Personal growth.
- **Work:** Team leadership
- Identify **strengths** and **growth areas**
- Lead effectively at work and in the community

Futures thinking

- Storytelling: **STORI** (Scene, Task, Overcoming Obstacles, Result, Insight)

Next Lab Values

- Curiosity and play

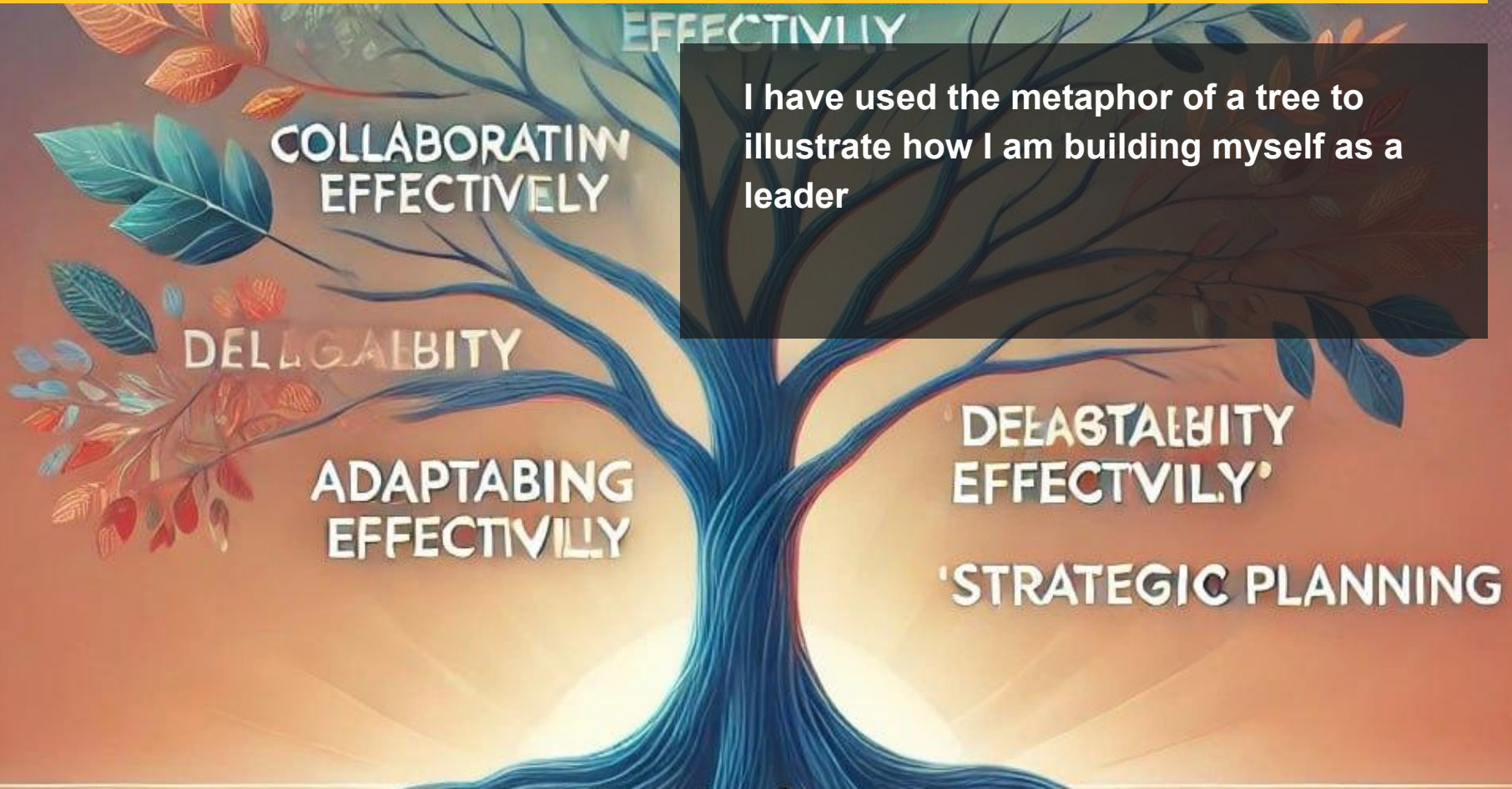
Growth mindset - Strengths and Opportunities

SMART Goals
Specific
Measurable
Achievable
Realistic
Time-bound

Bea leading the team and teaching us leadership skills.



Discovering myself as a leader



COLLABORATING
EFFECTIVELY

DELEGATING
EFFECTIVELY

ADAPTING
EFFECTIVELY

DELEGATING
EFFECTIVELY

STRATEGIC PLANNING

I have used the metaphor of a tree to illustrate how I am building myself as a leader

Next Lab Values

Guiding principles for leadership

Inclusive Excellence:

Next Lab envisions futures that are more inclusive, equitable, and accessible across the globe.

Learner as Creator:

Built by diverse learners as creators, makers, producers, and inventors.



Realizing My Leadership Capabilities through Next Lab

- **Storytelling:** Origin of Your Name
- **Futures Thinking:** 10-year timeline
- Importance of **Values** at Next Lab
- **Growth Mindset:** Roots & Branches Activity
- **Embracing Failure** with the STORI Framework



Demo

What we have done!

<https://my.matterport.com/models?organization=1UEFsbfFyfd>





We learned about how to lead ourselves, a team, and in the larger society. We reflected on our roots, and how far we have come in our journey. It's important to look back in order to look forward.

We are excited to keep learning and applying our new technical and leadership skills in future projects.

Conclusion and Game





What was our project Name?

Which apps did we use for our project?

Which leadership skill did you like the most in our project?

Which part does Hadisa explain about?

Which part does Lila explain about ?

Which part does Rahila explain about ?

Which part does Zoshan explain about ?

Questions & Answers

