

3D models, Lights & Shadows



What is our GOAL for this MODULE?

The goal of this module is to learn about 3D models and how to use them in A-Frame, while adding different types of light and casting shadows.

What did we ACHIEVE in the class TODAY?

- We added and loaded 3D gLTF models in the scene.
- Added different types of light in the scene and cast shadows of the object
- Animated lights.

Which CONCEPTS/CODING BLOCKS did we cover today?

- Usage gLTF 3D models in A-Frame
- <a-assets> and <a-entity> tags with various attributes
- Animation of lights



How did we DO the activities?

1. Downloaded the assets and added in <a-assets> tag.

2. We created an <a-entity> with the same altf-model attribute.

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3. We added the values for position, rotation and scale attributes to set the model orientation.

4. We added the ambient and directional lights to our scene and cast shadows





We successfully created a 3D jungle scene.

What's NEXT?

In the next class, we will be learning more about real world simulation using A-Frame.

EXTEND YOUR KNOWLEDGE:

You can refer to the below link for the documentation of three.js and more examples https://aframe.io/docs/1.0.0/introduction/