Akshat Srivastava

Creative & Leadership Portfolio

Overview:
A showcase of 3D artistic works and leadership initiatives focused on democratizing astronomy education globally.

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UNIT I

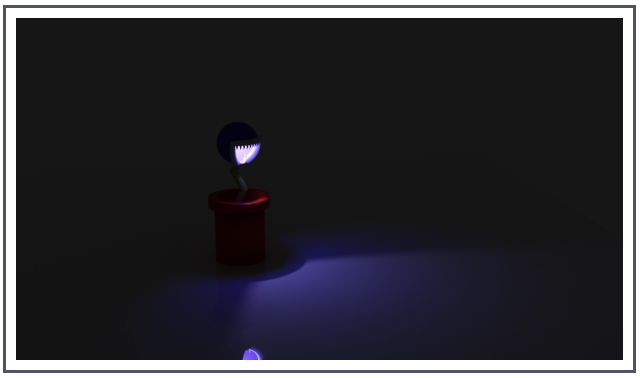
Digital Arts & Visual Storytelling

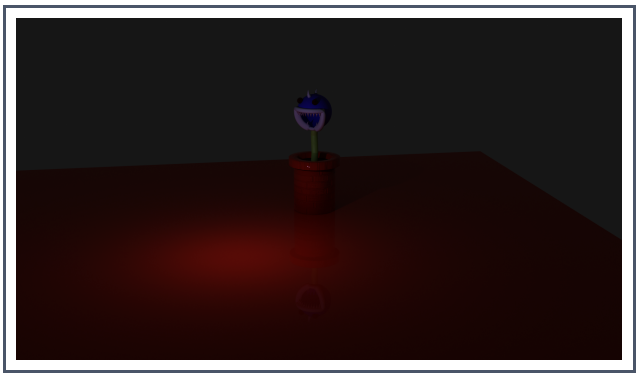
Character Design: “The Chomper”

Blender · Modelling · Cinematic

Concept: A cinematic horror reimagining of the iconic Chomper from *Plants vs. Zombies*. Designed as a high-fidelity hero asset for a potential dark fantasy film, this project translates the whimsical 2D cartoon design into a grounded, predatory biological entity.

Technique: The workflow prioritized translating cartoon proportions into realistic organic forms. I utilized procedural shading to generate fleshy, imperfect skin textures and emissive biological materials without external bitmaps. The lighting setups demonstrate a shift from asset-lookdev to cinematic horror, using emission-based lighting and volumetrics to create a menacing, suspenseful atmosphere suitable for a film sequence.



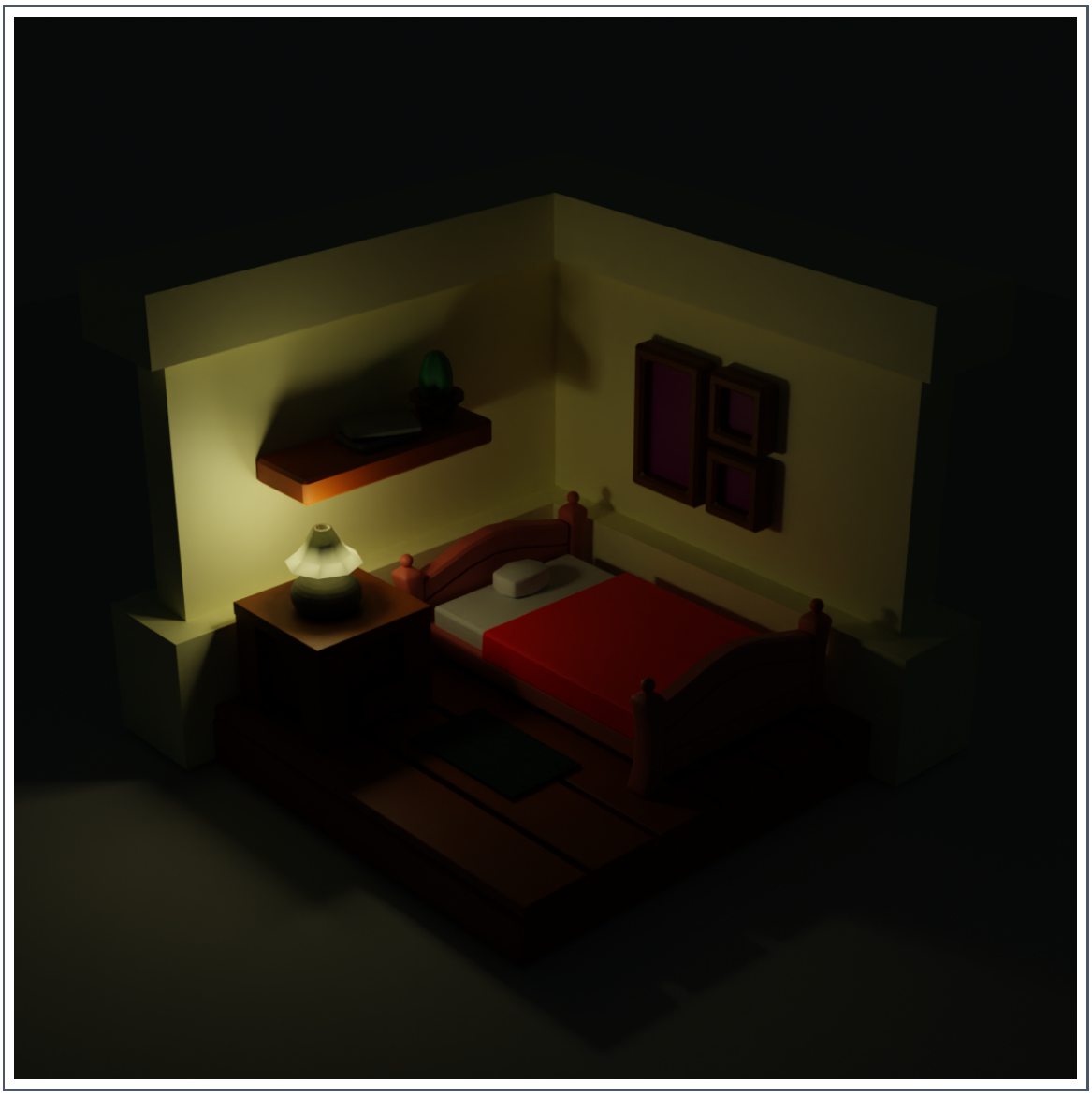


Environmental Design: “The Room”

Isometric Composition · Storytelling

Concept: An exercise in environmental storytelling: using object placement to narrate the life of an unseen inhabitant.

Technique: Balanced global illumination with soft area lights to create a solitary, cohesive atmosphere. The isometric perspective emphasizes the geometry and layout over depth.



UNIT II

Leadership & Educational Outreach

Science Communication & Leadership

Social Entrepreneurship · Outreach · Pedagogy

Project Overview

I am deeply committed to educational equity. I founded the Online Astronomy Competition (340+ registrants, 44 countries), authored the AO Guide (4,000+ learners) creating scalable digital platforms to democratize access to high-quality science resources, and gave in-person talks to younger students.

Technical Implementation

Educational Outreach Tour (Guest Lecturer):

- **Scope:** Delivered interactive seminars on the Big Bang & Cosmic Evolution to 8th and 9th graders across 5 Narayana E-Techno Schools in Delhi NCR.
- **Interactive Learning:** Bridged the gap between theory and observation by conducting live demonstrations using telescopes, binoculars, and AR stargazing apps.
- **Mentorship:** Introduced the students to the International Science Olympiad ecosystem, providing students with roadmaps and resources for participation.