The background is a deep purple space-themed illustration. On the left, a stylized rocket with a pink nose cone and purple fins is launching upwards, leaving a trail of white and light blue smoke. To the left of the rocket is a white planet with two blue circular features. In the upper right, a large, thin white circle represents an orbit. Several small, four-pointed white stars are scattered across the background. The title text is centered in the middle of the image.

# 3D Solar System Interactive Animation

HTML - CSS

# Project Launch

01

Thrilled to  
announce my  
latest frontend  
p r o j e c t

02

A visually  
dynamic 3D  
Solar System  
Simulation

03

Developed  
entirely using  
HTML and CSS

04

No JavaScript  
r e q u i r e d

# O v e r v i e w



**88%**

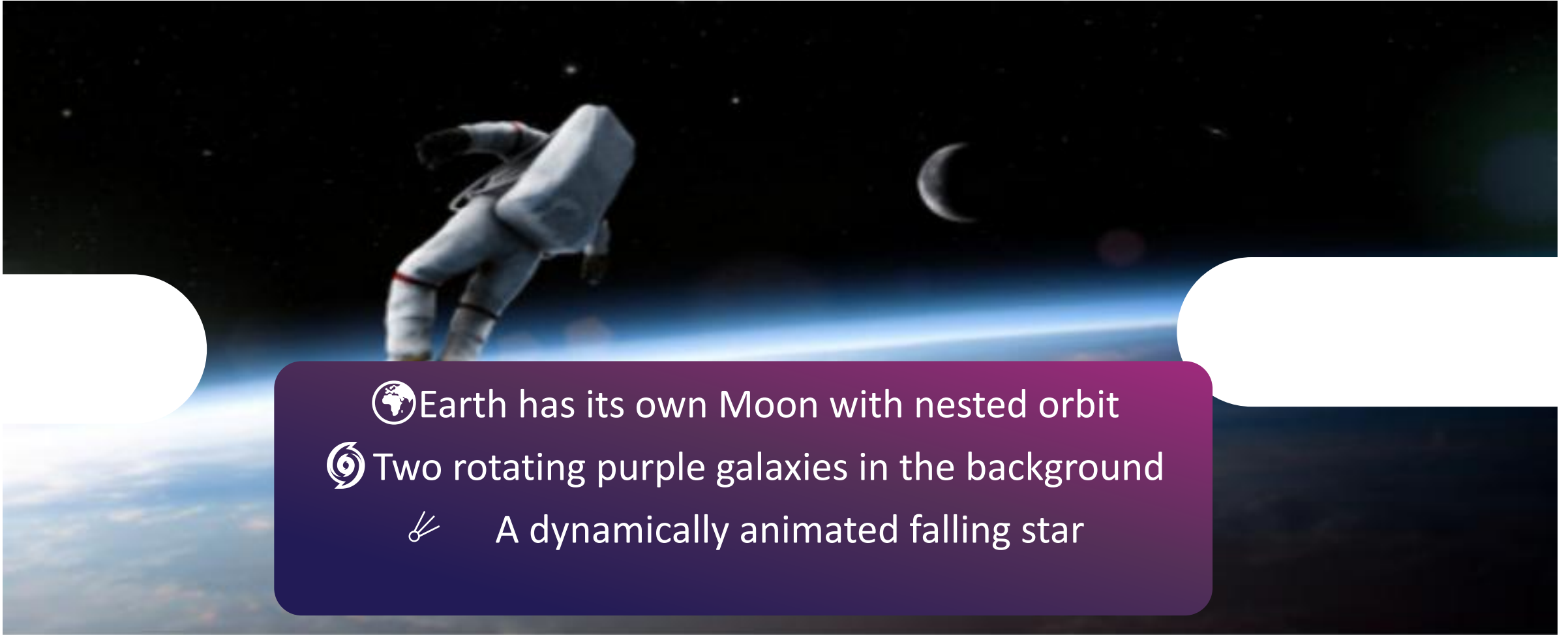
Frontend Project Showcase  
Built entirely with HTML & CSS — no JavaScript

# About the Project



- Core: Glowing Sun at the center
- Planets revolving around the Sun
- Includes Mercury, Venus, Earth, Jupiter, Saturn, Uranus, and more

# Unique Aspects – P a r t 1




🌍 Earth has its own Moon with nested orbit

🌀 Two rotating purple galaxies in the background

✂️ A dynamically animated falling star

# Unique Aspects – P a r t 2

- 
- A background image showing an astronaut in a white spacesuit floating in space. Below the astronaut is the blue and white horizon of the Earth. In the upper right, a crescent moon is visible against a dark, star-filled sky. The image is framed by white, rounded rectangular shapes on the left and right sides.
- Dozens of twinkling stars simulate deep space
  - All built with pure CSS animations and gradients
  - Responsive design for desktop, tablet, and mobile

# Key Features

- ✓ Pure CSS Animations for orbits and motions
- 🌍 Realistic Earth–Moon orbit system
- ☀️ Planetary revolutions with varied speeds

- 🌀 Two animated purple galaxies
- ✂️ Falling star effect with CSS variables
- ✨ Twinkling stars with flickering animations



# Responsive Design



- Works across desktop, tablet, and mobile
- Relative units (vw, vh) for scaling
- Flexible layout with absolute positioning

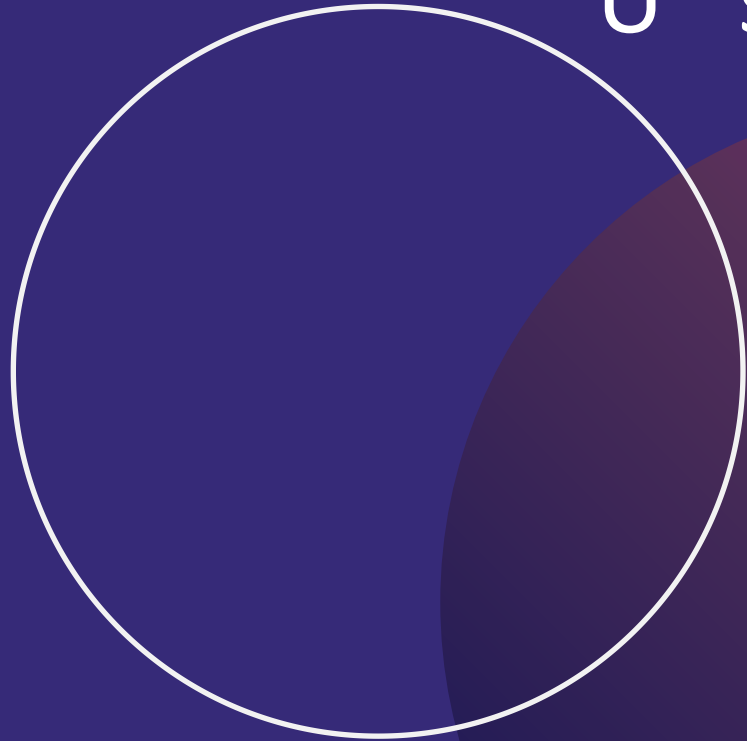




# Skills Demonstrated

- CSS Animations, Transforms, and Transitions
  - Custom gradients and visual layering
  - Clean semantic HTML structuring
- 
- Responsive design with CSS units
  - Motion design and visual storytelling
  - Creative coding without JavaScript

# U s e C a s e s



- F r o n t e n d  
d e v e l o p m e n t  
p o r t f o l i o s
- E d u c a t i o n a l  
a s t r o n o m y  
v i s u a l i z a t i o n s
- C S S - b a s e d m o t i o n  
d e s i g n e x p e r i m e n t s

- C r e a t i v e c o d i n g  
p r o j e c t s
- U I / U X s i m u l a t i o n  
a n d s t o r y t e l l i n g
- I n s p i r a t i o n f o r  
f r o n t e n d a n i m a t i o n  
e n t h u s i a s t s

# Project Takeaways



- Showcases potential of HTML + CSS
- Demonstrates motion design without JavaScript
- Highlights creativity in frontend development



# F u t u r e Enhancements

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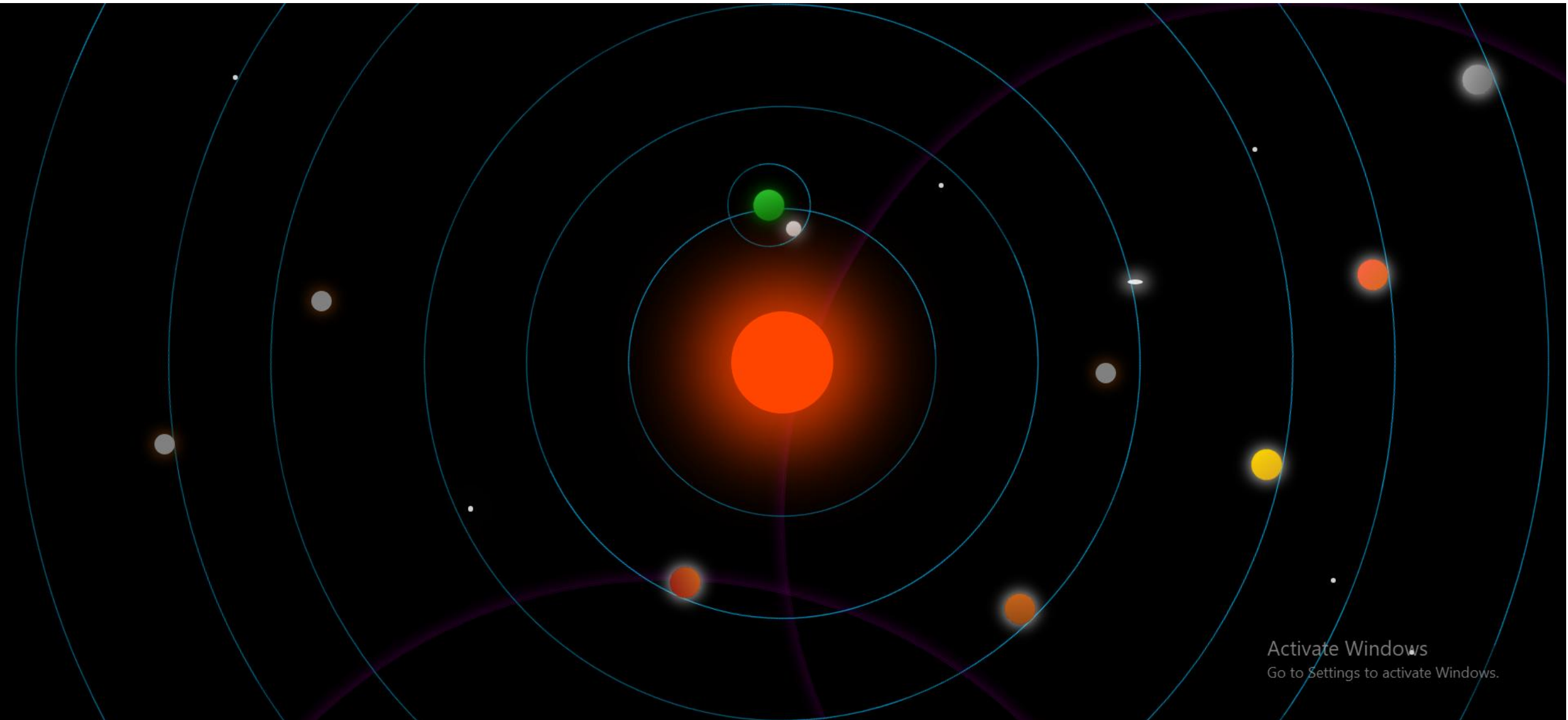


- Add interactivity with optional JavaScript
- Introduce more planets and satellites
- Experiment with CSS 3D perspective effects



# Project Overview

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Activate Windows  
Go to Settings to activate Windows.

# Thank You



Explore the project  
live in browser



Perfect blend of  
creativity and code



HTML + CSS can  
simulate entire  
universes



# Thank You!

Every great presentation is  
complete with a great audience —  
and that's you!