3D Solar System Interactive Animation

HTML - CSS

Project Launch

01

Thrilled to announce my latest frontend project

02

A visually dynamic 3D Solar System Simulation

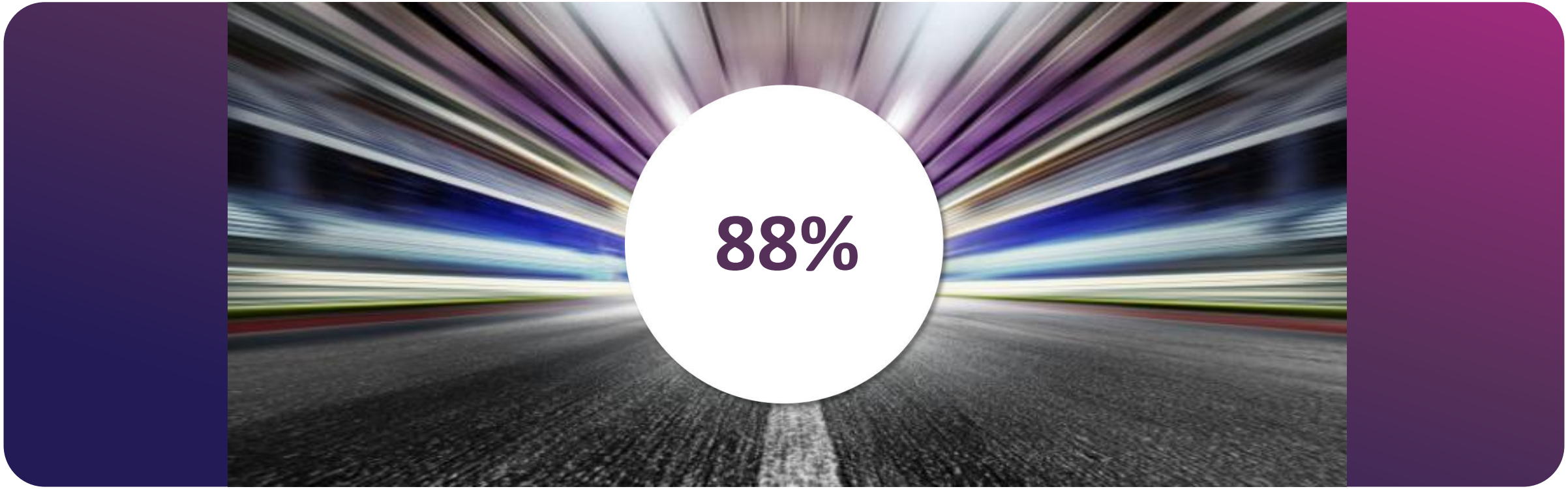
03

Developed entirely using HTML and CSS

04

No JavaScript required

O v e r v i e w



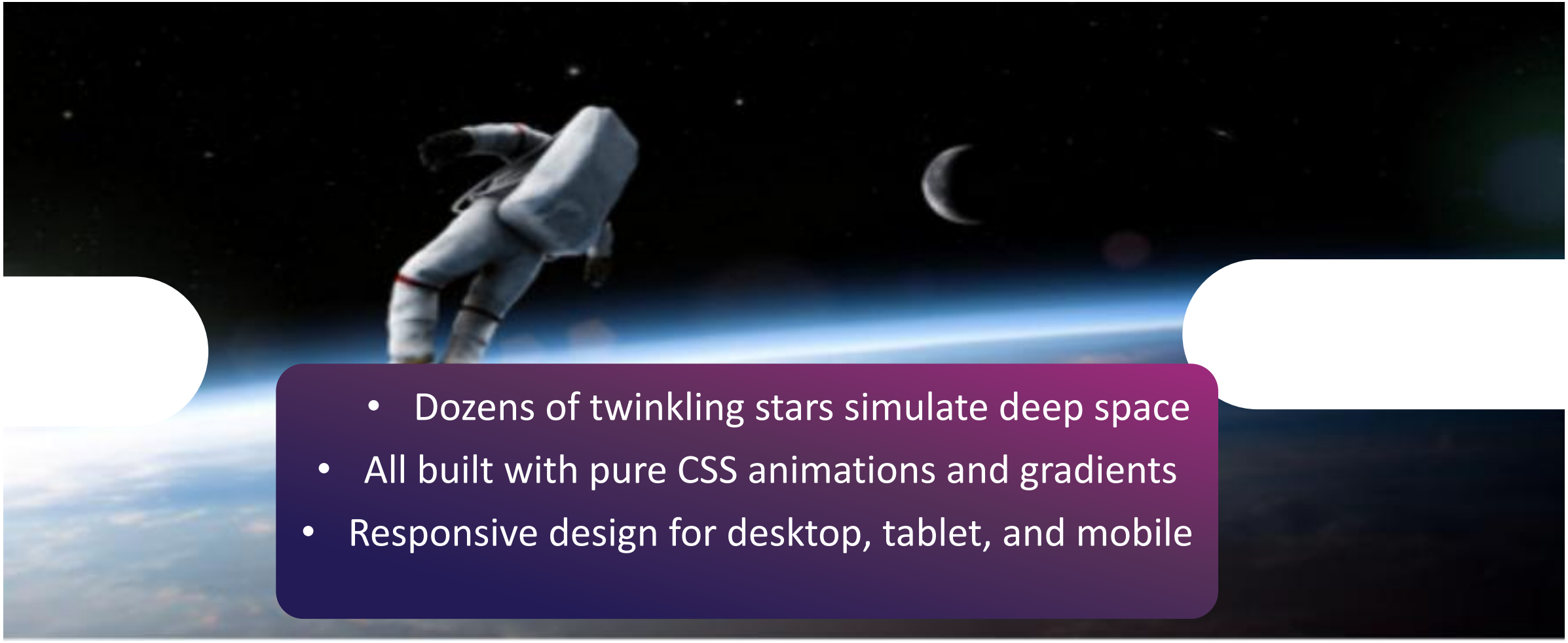
Frontend Project Showcase
Built entirely with HTML & CSS — no JavaScript

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 – Part 1

Unique Aspects – Part 2



- 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

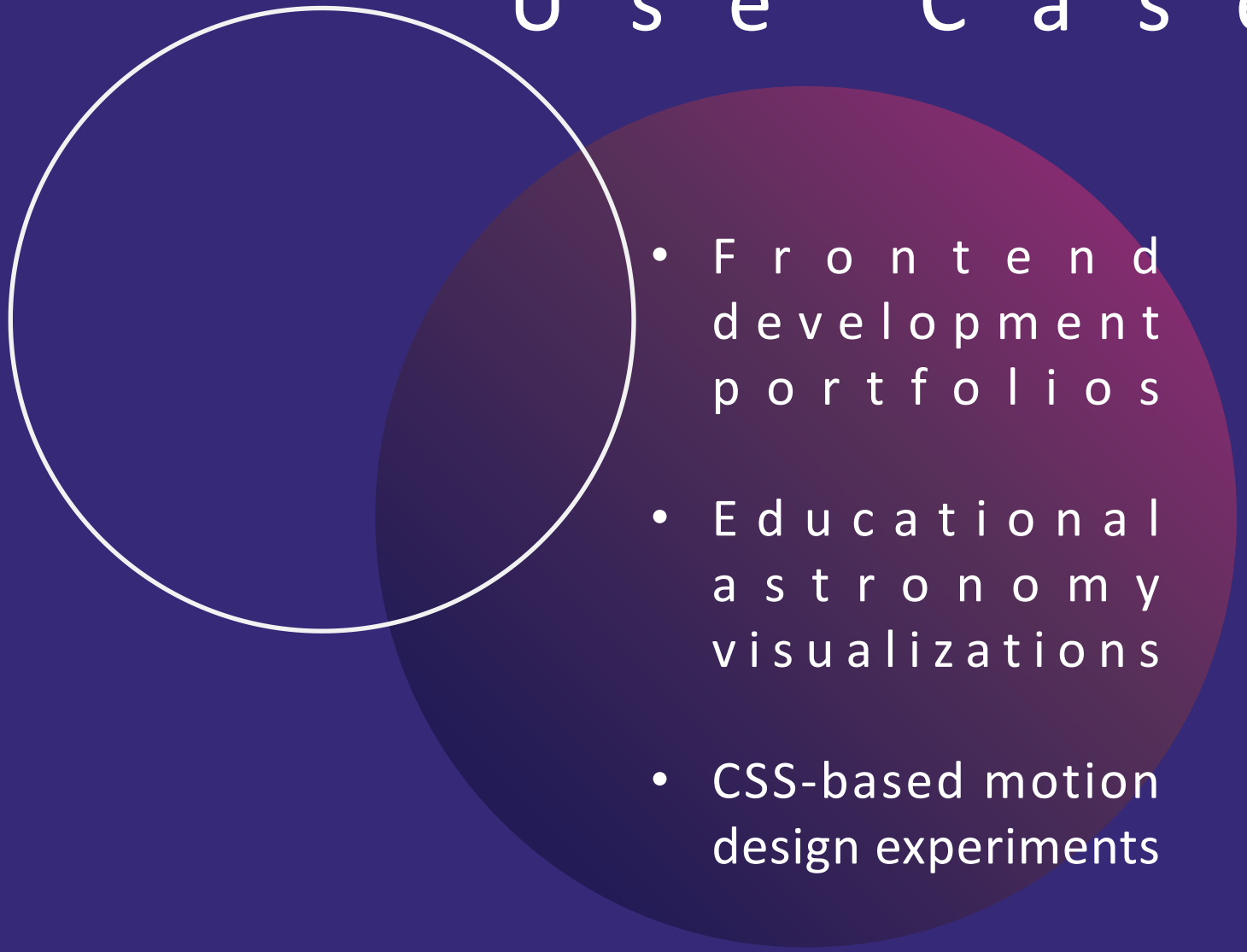
Responsive Design

- 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

Use Cases



- Frontend development portfolios
- Educational astronomy visualizations
- CSS-based motion design experiments

- Creative coding projects
- UI/UX simulation and storytelling
- Inspiration for frontend animation enthusiasts

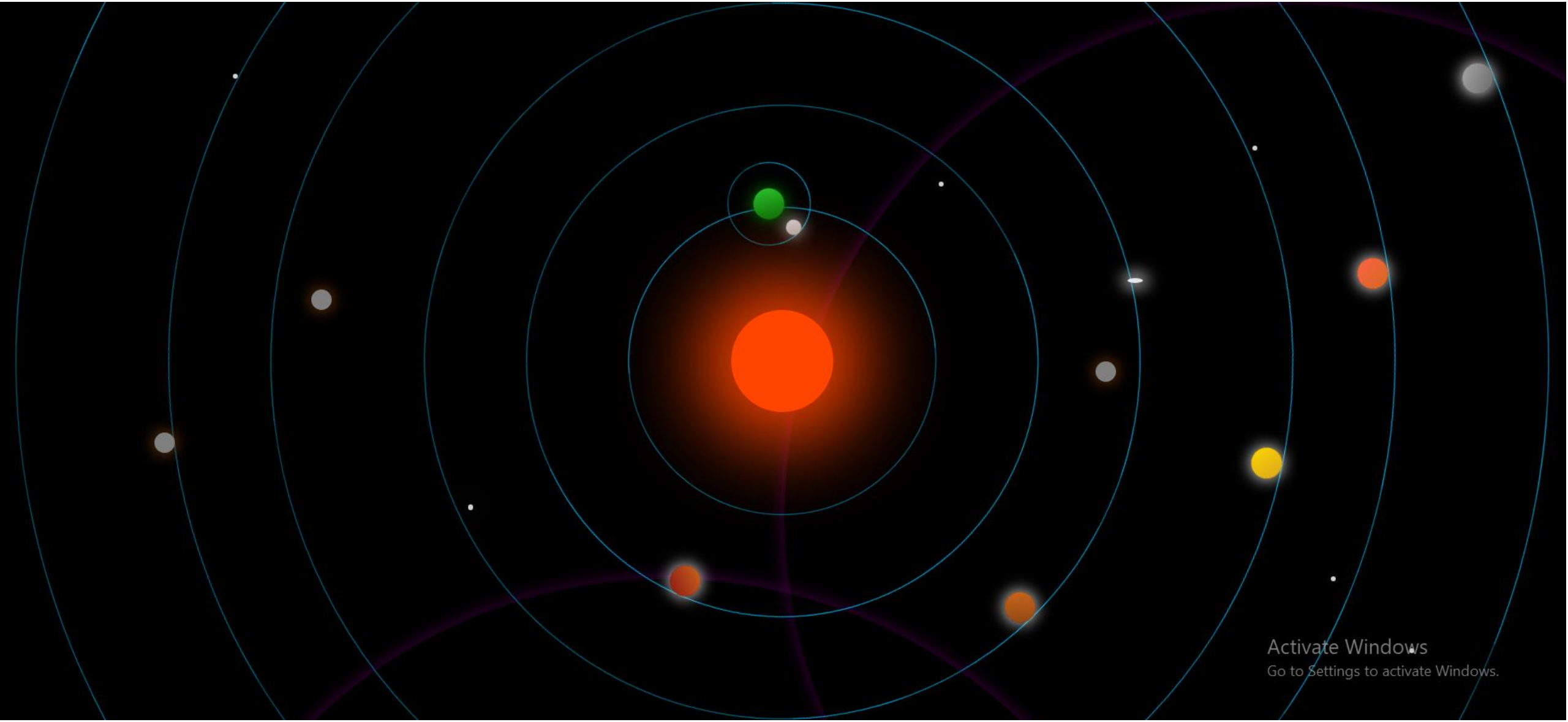
Project Takeaways

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

Future Enhancements

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

Project Overview



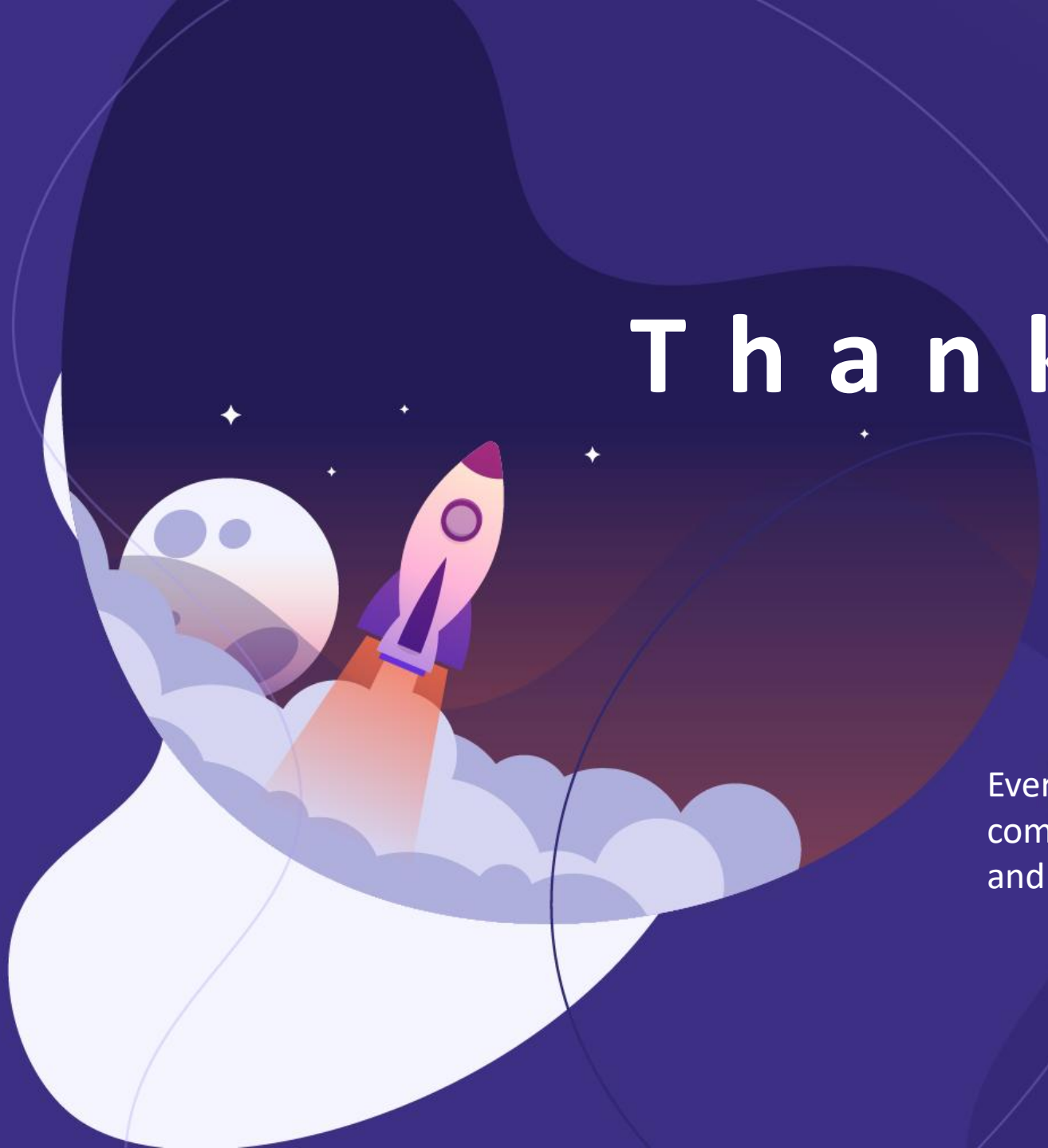
Thank You

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!