

DIGITAL PORTFOLIO

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PROJECT TITLE:

Frontend Development of Digital Clock Project

AGENDA

- *Problem Statement*
- *Project Overview*
- *End Users*
- *Tools and Technologies*
- *Portfolio Design and Layout*
- *Features and Functionality*
- *Results and Screenshots*
- *Conclusion*
- *Github Link*





Problem Statement

Traditional wall clocks and static time displays lack interactivity and modern design.

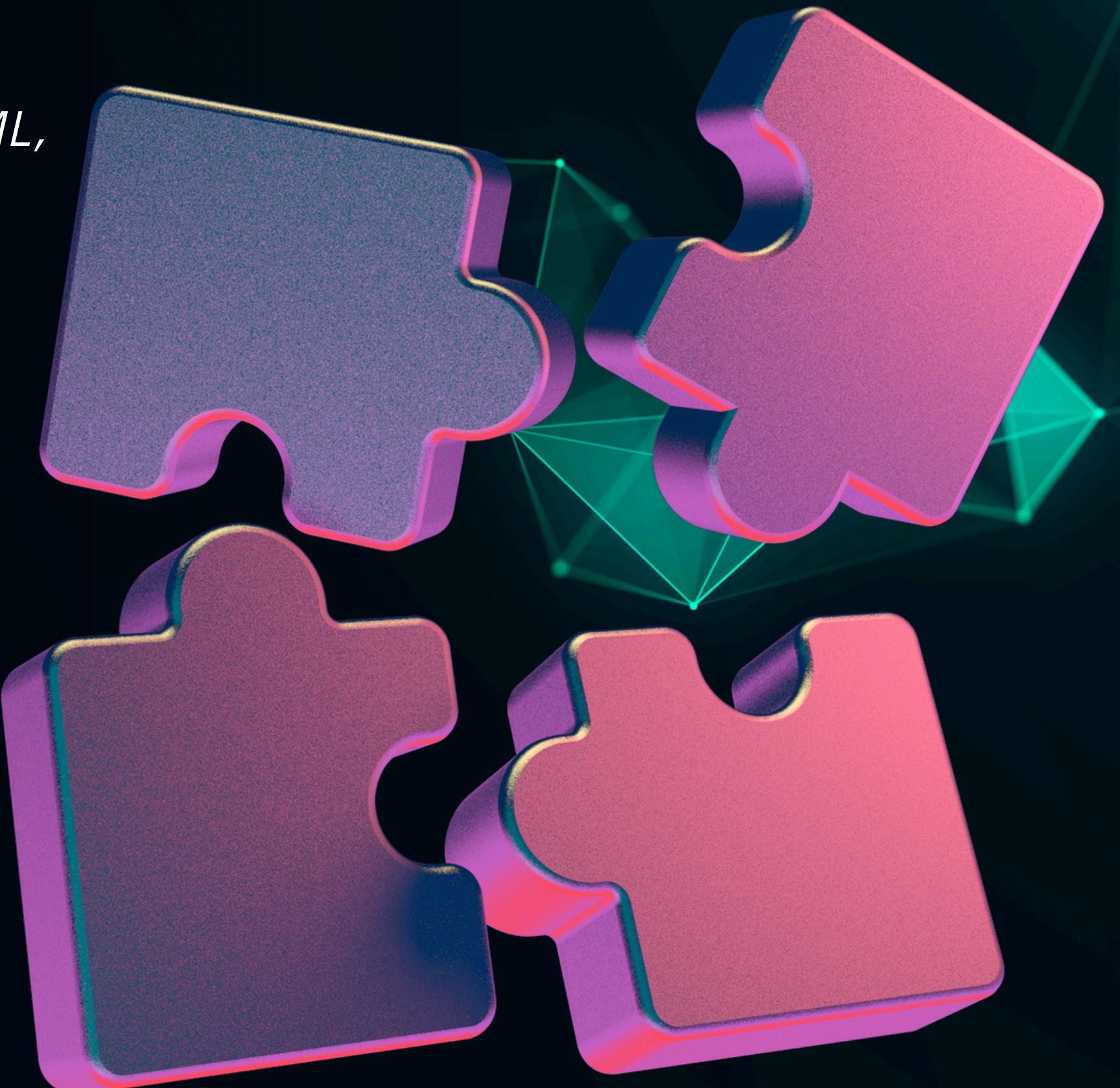
The problem is to create a dynamic, responsive, and visually appealing digital clock using frontend technologies that can run directly on any web browser.

Project overview

The *Digital Clock Project* demonstrates the use of *HTML*, *CSS*, and *JavaScript* to display a real-time clock in *HH:MM:SS* format.

The project focuses on:

- Clean and responsive design
- Real-time time updates (every second)
- Customizable styling (dark/light themes possible)



Who Are the End Users?

- *Students learning frontend development concepts*
- *Developers practicing small JavaScript projects*
- *General Users who need a lightweight clock for their desktop, website, or dashboard*



Tools and Technologies

- *HTML5 - Structure of the clock*
- *CSS3 - Styling and layout*
- *JavaScript (ES6) - Real-time functionality*
- *VS Code - Development environment*
- *GitHub - Version control and project hosting*



Portfolio Design and Layout

- Minimalist design with centered clock display
- *Responsive layout that adapts to different screen sizes*
- *Custom CSS styling for fonts, colors, and themes*
- *User-friendly UI with simple design approach*

Features and Functionality

Displays real-time digital clock in HH:MM:SS

Automatic updating every second

Responsive design for all devices

Option to add dark/light mode themes

Easy to integrate into other web applications





Results and Screenshots

Output is a working digital clock displayed on a webpage

The clock refreshes in real time without page reload

Provides a modern and professional frontend look

Conclusion

- *The project successfully shows how frontend technologies (HTML, CSS, JS) can be combined to build a real-time application.*
- *It helps beginners understand DOM manipulation, styling, and real-time updates, while being simple enough for practice.*