

# **DIGITAL PORTFOLIO**

**STUDENT NAME: R.SURIYALAKSHMI**

**REGISTER NO AND NMID: astvu30430424u18045**

**DEPARTMENT: B.Sc.computer science**

**COLLEGE : Arignar Anna govt arts college for women**

**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.*

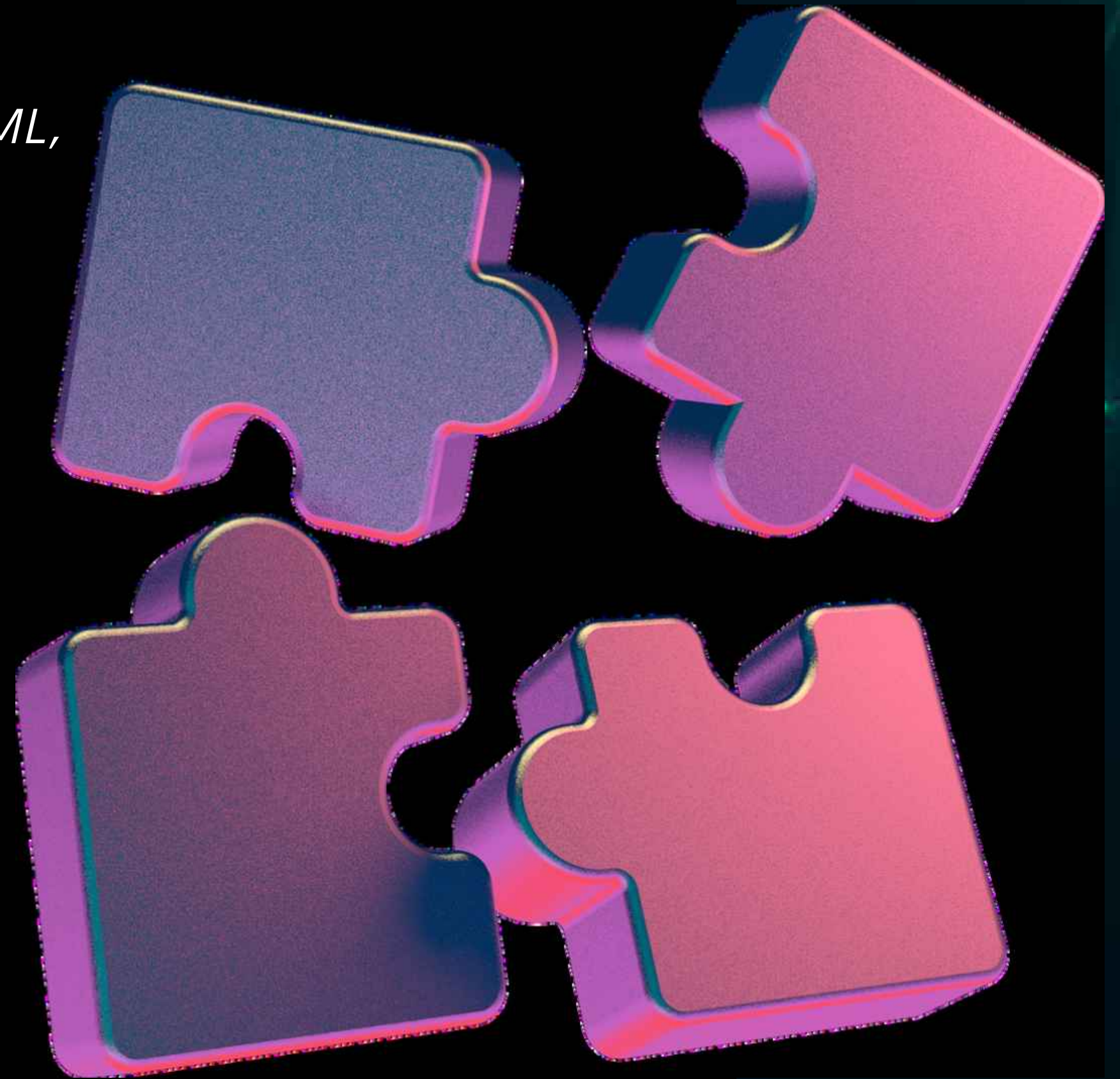


# Project overview

*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?

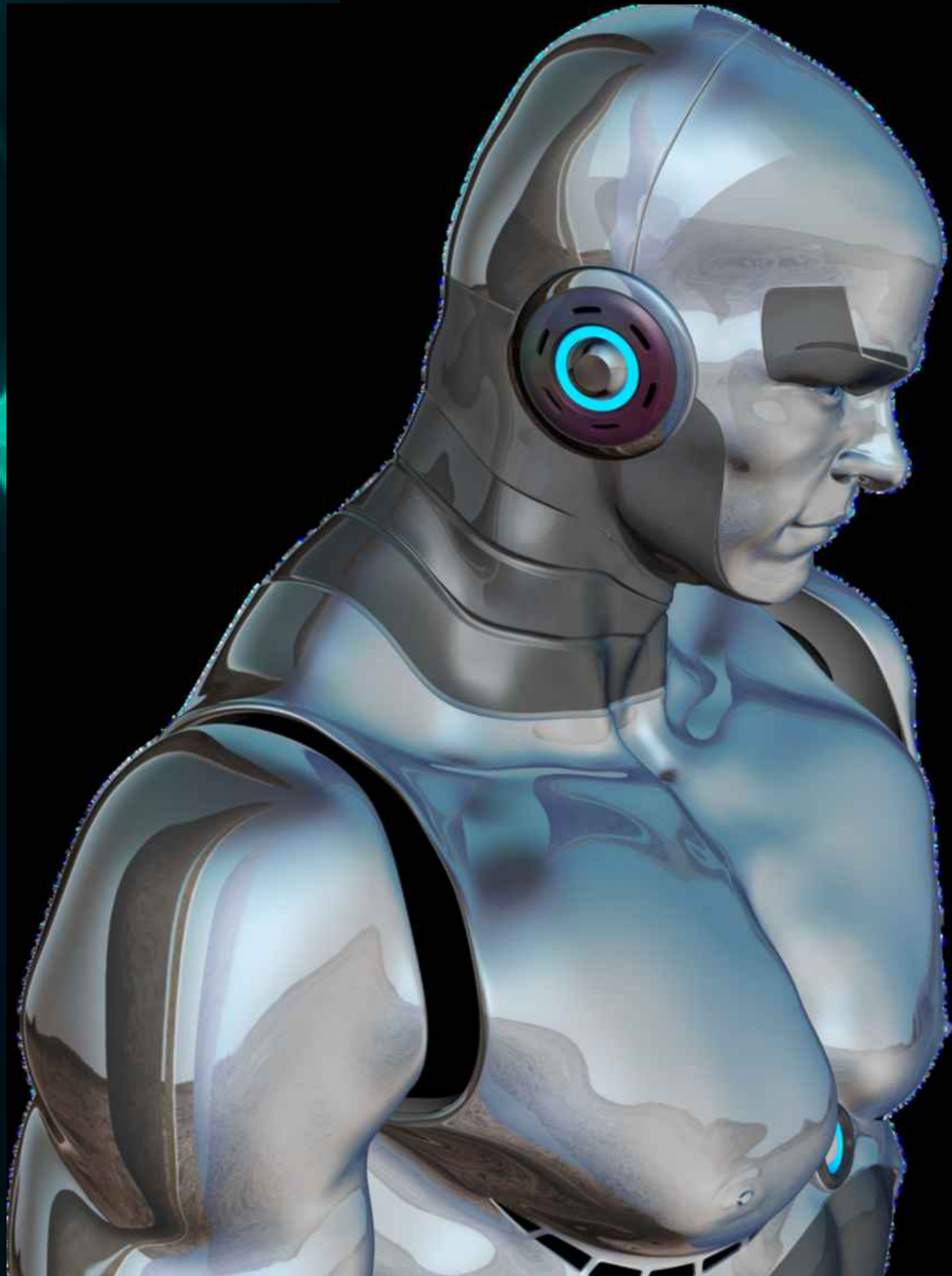
- *Students learning frontend development concepts*
- *Developers practicing small JavaScript projects*
- *General Users who need a lightweight clock for their desktop, website, or dashboard*



# 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*

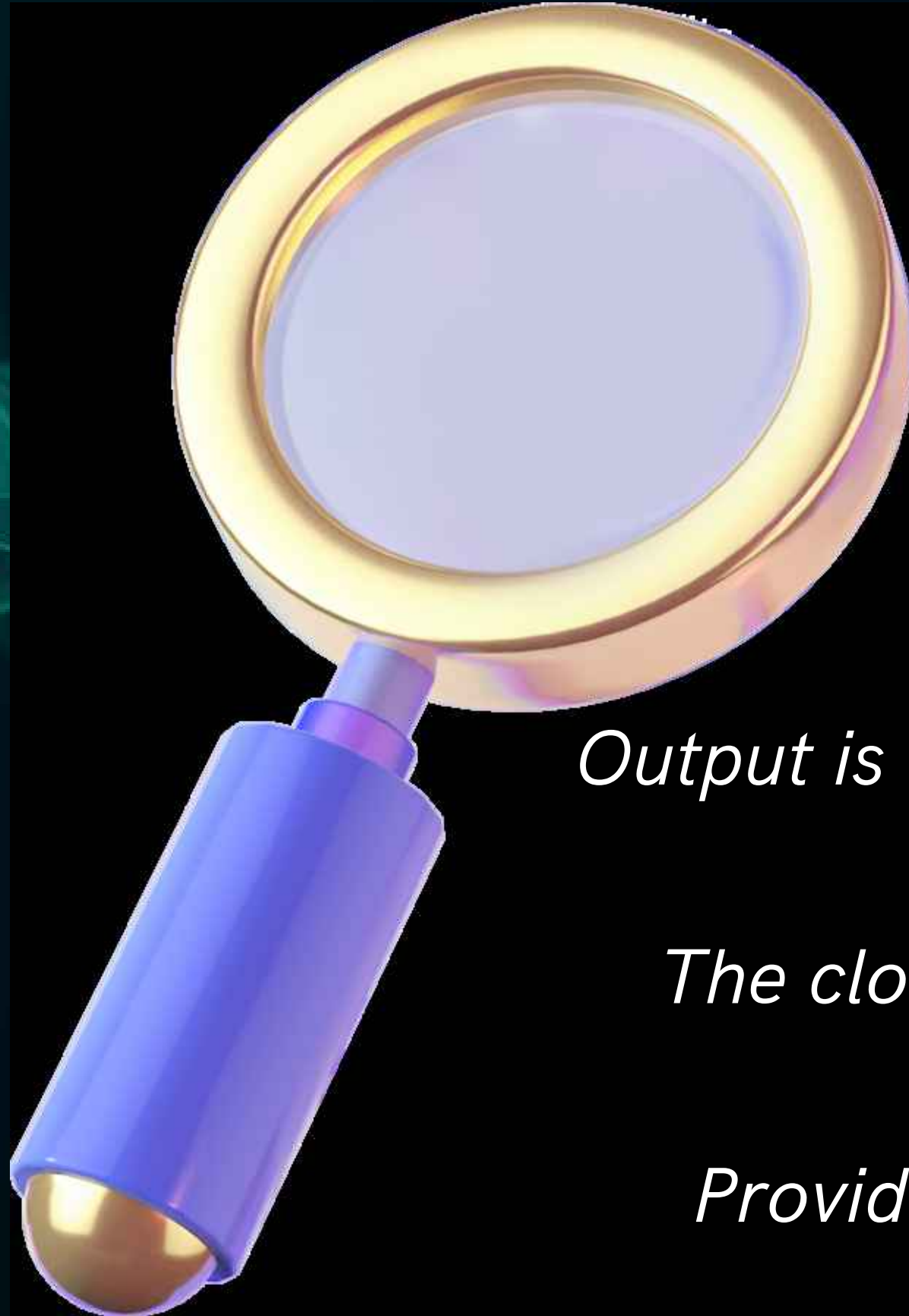
*Responsive design for all devices*

*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.*