

# Age Calculator

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# ➤ Agenda

- Project Overview
- Technical Stack
- Screenshots
- What I Learned



## ➤ Project Overview

- This project is designed to make users smile. With celebratory visuals, birthday music, and personalized messages, it turns a routine task into a moment of joy. It reflects my passion for building emotionally engaging web experiences.



# ➤ Technical Stack

## HTML

- Semantic layout using **<label>**, **<input>**, **<button>**, and **<div>** for accessibility and clarity.
- Responsive form design with fields for name, date of birth, and current date.
- Embedded **<audio>** element for birthday music playback.

## CSS

- Gradient backgrounds and festive color palette to create a joyful atmosphere.
- Responsive design with flexible layout and adaptive font sizes.
- Layered z-index styling to manage visual depth (**background blast**, **balloons**, **bubbles**, **card**).

## JavaScript

- Dynamic age calculation using date arithmetic (years, months, days).
- Conditional logic to detect birthdays and activate celebratory effects.
- Timed effects using **setTimeout()** and **setInterval()** for continuous animations.



The background is a high-angle, low-light photograph of a modern staircase. The stairs have a light-colored, textured surface and are framed by dark, metallic railings. The perspective is looking down the stairs, creating a sense of depth. A semi-transparent blue rectangle is overlaid on the left side of the image, and a semi-transparent orange rectangle is overlaid on the right side. A white square is located in the top left corner of the blue rectangle, and a white square is located in the bottom right corner of the orange rectangle.

**Here comes output  
of my project ...**



# Age Calculator

**Your Name:**

**Date of Birth:**

dd-mm-yyyy



**Current Date:**

27-09-2025



Calculate Age



# Age Calculator

**Your Name:**

Trisha

**Date of Birth:**

22-08-2004



**Current Date:**

27-09-2025



Calculate Age



Trisha, you are 21 years, 1 months, and 5 days old!

🎂 Happy Birthday, Trisha! You deserve all the happiness!



## Age Calculator

Your Name:

Trisha

Date of Birth:

27-09-2004



Current Date:

27-09-2025



Calculate Age



Trisha, you are 21 years, 0 months, and 0 days old!

🎂 Happy Birthday, Trisha! Dance like it's your day!



Happy Birthday  
Trisha! Wish  
you a great day!



Happy Birthday  
Trisha! Make  
the most of your  
day!



Happy Birthday  
Trisha! Wishing  
you a great day!



## ➤ Conclusion

- **Age Calculator** is a dynamic front-end project that blends functional utility with joyful user experience. It demonstrates my ability to:
  - ✓ Build responsive, user-friendly interfaces using HTML, CSS, and JavaScript
  - ✓ Implement precise date logic to calculate age accurately
  - ✓ Enhance user engagement through animations, sound, and personalized messages
  - ✓ Apply creative coding techniques to transform a simple tool into a delightful experience
  - ✓ This project reflects my commitment to crafting memorable web interactions and showcases my strengths in both technical execution and visual storytelling.