

Digital Portfolio



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Thiruvannamai

UNIVERSITY: Thiruvalluvar university

PROJECT TITLE



INTERACTIVE DIGITAL PORTFOLIO
USING FRONTEND WEB
DEVELOPMENT



AGENDA

١. Problem Statement
٢. Project Overview
٣. End Users
٤. Tools and Technologies
٥. Portfolio design and Layout
٦. Features and Functionality
٧. Results and Screenshots
٨. Conclusion
٩. Github Link



PROBLEM STATEMENT

Mathematical operations like addition, subtraction, multiplication, and division are vital in daily life. Manual calculations, however, are often slow and error-prone, especially with large or complex expressions. To address this, the proposed calculator project offers a simple, efficient, and user-friendly solution that ensures accurate results, saves time, and supports basic to moderate operations through an interactive interface.



PROJECT OVERVIEW

- This project is a **basic calculator web app** built using HTML, CSS, and JavaScript.
- It performs operations such as:
 - Addition
 - Subtraction
 - Multiplication
 - Division
 - Modulus
- **Features:** AC(Clear), DEL (Delete), Decimal input.



WHO ARE THE END USERS?



- **Students:** quick math calculations.
- **Teachers:** simple tool in classrooms.
- **General Users:** anyone needing an online calculator.



TOOLS AND TECHNIQUES



- HTML5 → Structure and layout
- CSS3 → Styling and UI design
- JavaScript (ES6) → Logic & interactivity
- Text Editor → (VS Code)
- Browser → (Chrome/Edge/Firefox)

POTFOLIO DESIGN AND LAYOUT

Akash.S

Artificial intelligence Student | Aspiring Web Developer

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About Me

Hello! I am a passionate Artificial Intelligence student eager to learn and build meaningful applications. I specialize in web development and constantly strive to improve my coding skills.

Projects

[Weather App](#)

A responsive weather app built using HTML, CSS, and JavaScript. It fetches real-time weather data from the OpenWeather API based on user input.

[Personal Portfolio Website](#)

This portfolio website, built from scratch to showcase my skills, projects, and contact details in an easy-to-navigate format.

[To-Do List App](#)

A simple and functional to-do list app that allows users to add, delete, and mark tasks as complete.

Contact

Email: sr8836257@gmail.com

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Contact

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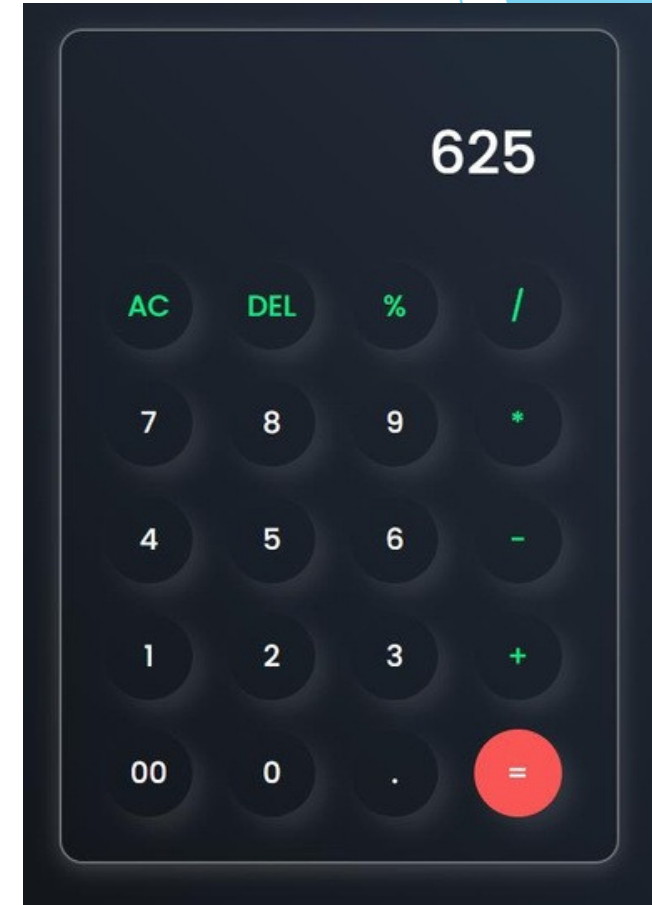
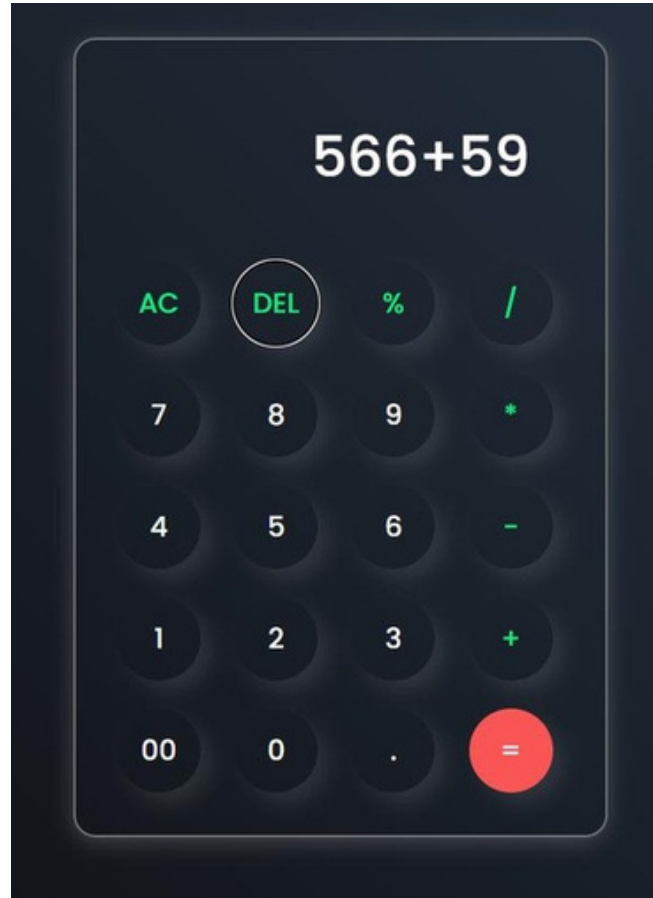
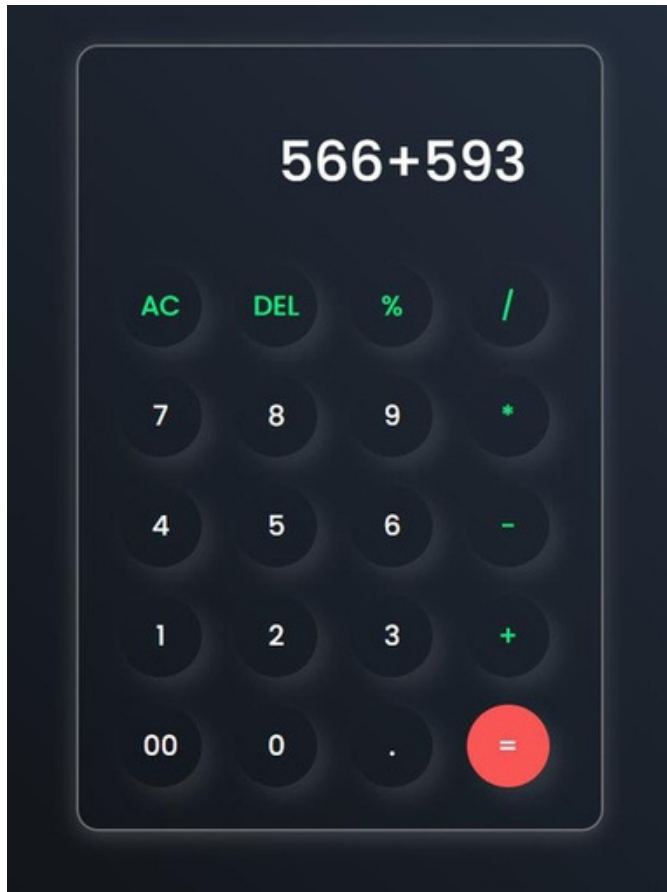
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FEATURES AND FUNCTIONALITY

- Perform basic arithmetic operations
- Delete last digit using DEL
- Reset calculation using AC
- Support for decimal values
- Real-time output display

RESULTS AND SCREENSHOTS



CONCLUSION

The calculator project demonstrates the implementation of a simple and efficient tool for performing basic arithmetic operations such as addition, subtraction, multiplication, and division. It offers an easy-to-use interface, reduces manual errors, and improves accuracy and speed in solving problems. Through this project, I gained practical experience in programming, logic building, and user interface design. The calculator application provides a foundation for functions, history tracking, and memory features.