Digital Portfolio

STUDENT NAME: Ashifa Banu.M
REGISTER NO: 20624U18011
NMID: A47638FF57BAEA49FD04F3B0C1EA
DEPARTMENT: Computer science
COLLEGE: Kamban college of arts and science for women / Thiruvallur University

PROJECT TITLE

INTERACTIVE DIGITAL PORTFOLIO USING FRONTEND WEB DEVELOPMENT

AGENDA

1. Problem Statement
2. Project Overview
3. End Users
4. Tools and Technologies
5. Portfolio design and Layout
6. Features and Functionality
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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.

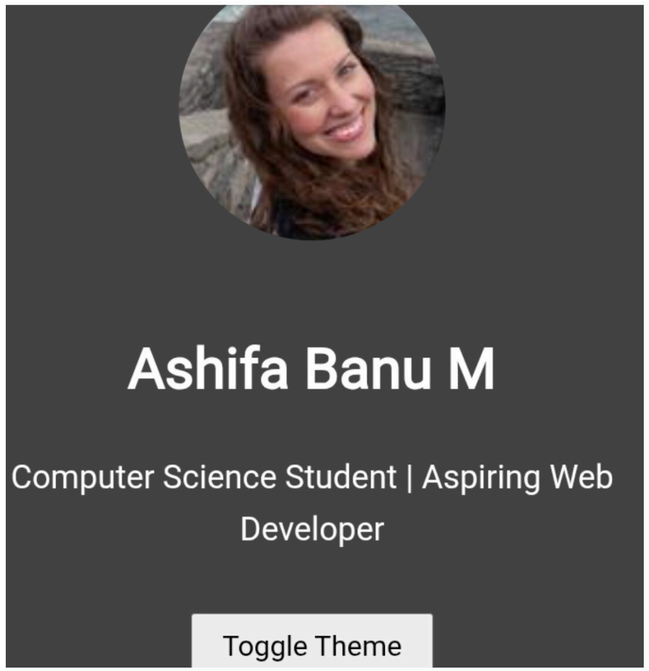
WHO ARE THE END USERS?

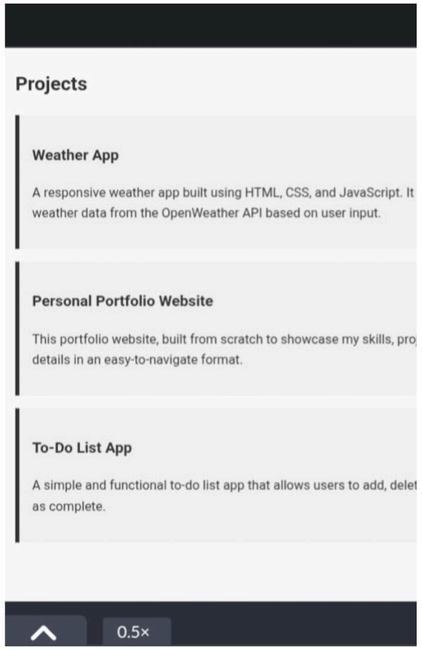
- **Students**: quick math calculations.
- **Teachers**: simple tool in classrooms.
- **General Users**: anyone needing an online calculator.

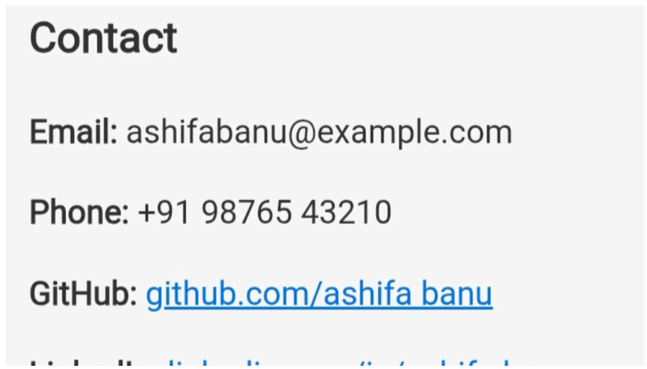
TOOLS AND TECHNIQUES

- 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



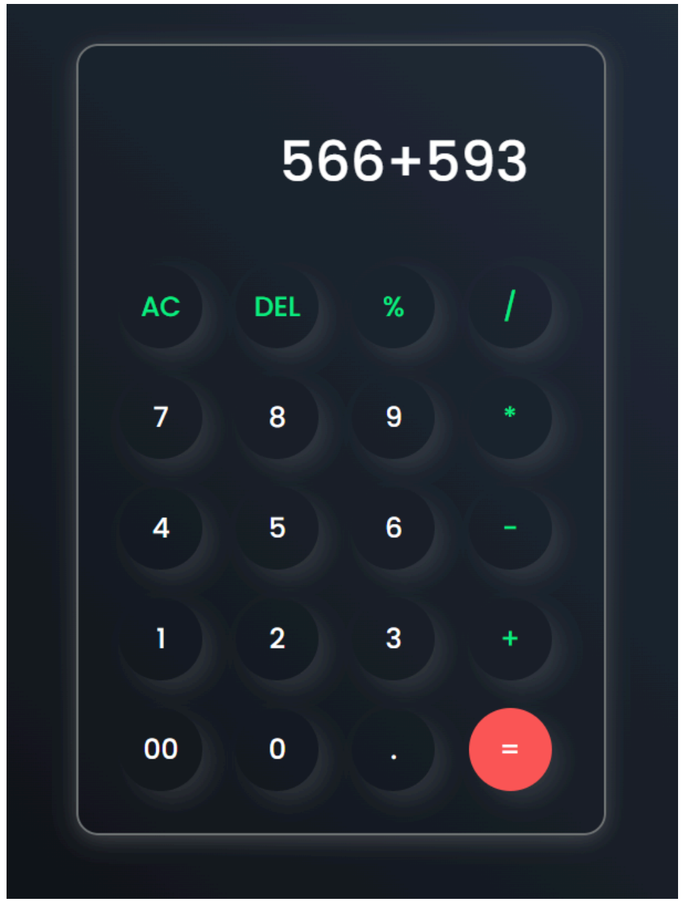


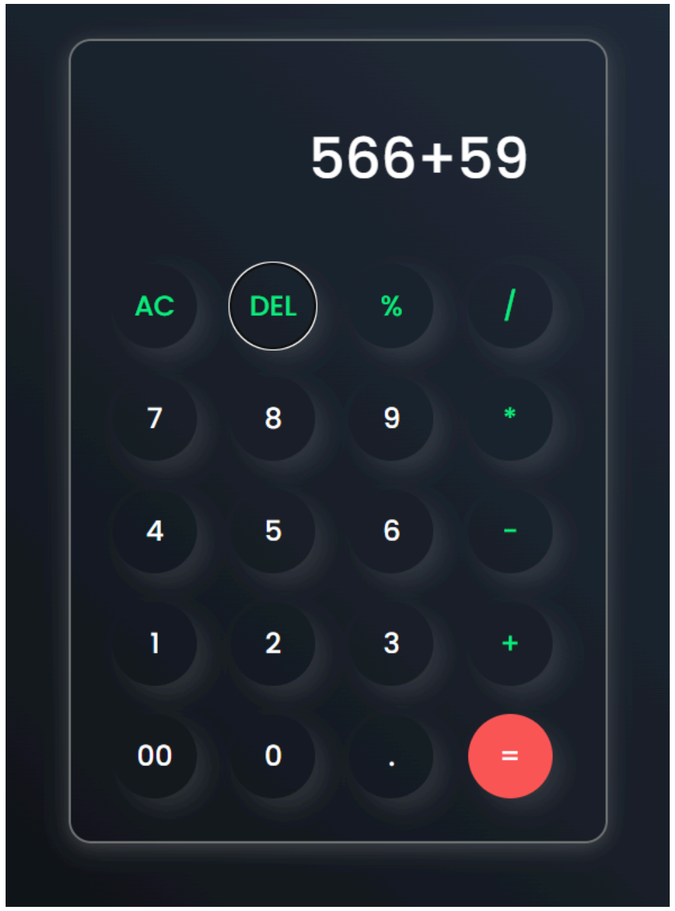


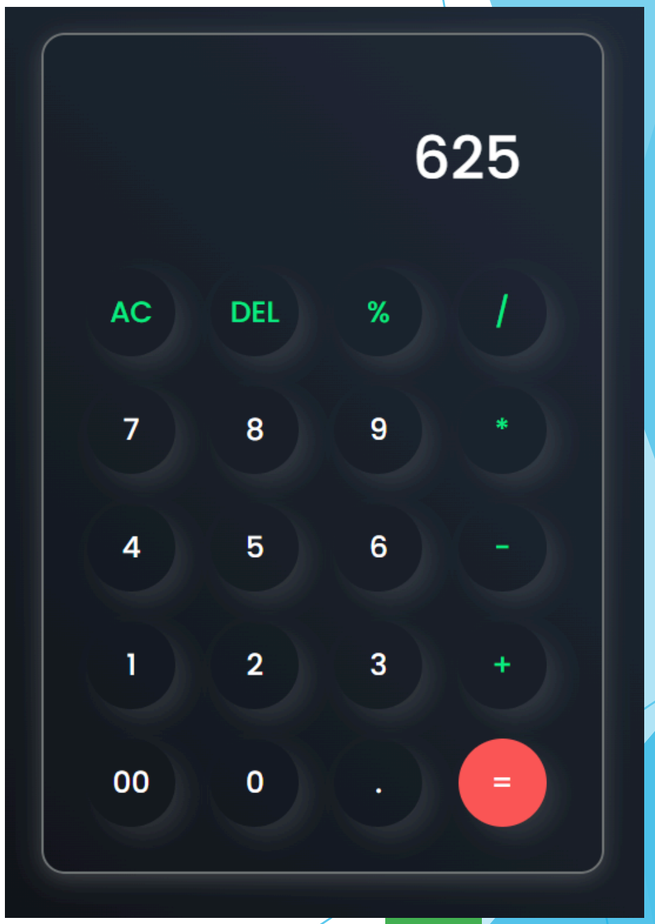
FEATURES AND FUNCTIONALITY

- 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 also provides a foundation for future enhancements, such as scientific functions, history tracking, and memory features.