Interactive Portfolio Website – JavaScript Explanation

Overview:
JavaScript is used in this project to make the portfolio interactive, validate form input, and dynamically update webpage content using DOM manipulation and event listeners.

Main JavaScript Concepts Used:
• DOM Manipulation
• Event Listeners
• Form Validation
• Reusable Functions
• Interactive UI Elements

Reusable Function:
The showMessage() function is created to display validation and success messages. This improves code reusability and avoids repetition.

Form Validation:
JavaScript validates the contact form before submission. It checks whether the name is empty, the email contains '@', and the message length is at least 10 characters. Error messages are displayed dynamically without refreshing the page.

Interactive Features:
1. Skills Interaction – Clicking on a skill displays its name using an alert.
2. Dynamic Header – Header text changes when the mouse hovers over it.
3. Scroll Effect – Background color changes when the user scrolls down.
4. Profile Image Animation – Clicking the profile image zooms it briefly.

Conclusion:
This project demonstrates effective use of JavaScript to enhance user experience through interactivity, validation, and dynamic content updates, fulfilling all internship project requirements.