Web Development

A comprehensive 45-hour course at St. Bede's College, Shimla, taking you from beginner to intermediate level in web development.

Course Overview

Duration

45 hours of comprehensive training

Level

Beginner to Intermediate progression

Focus
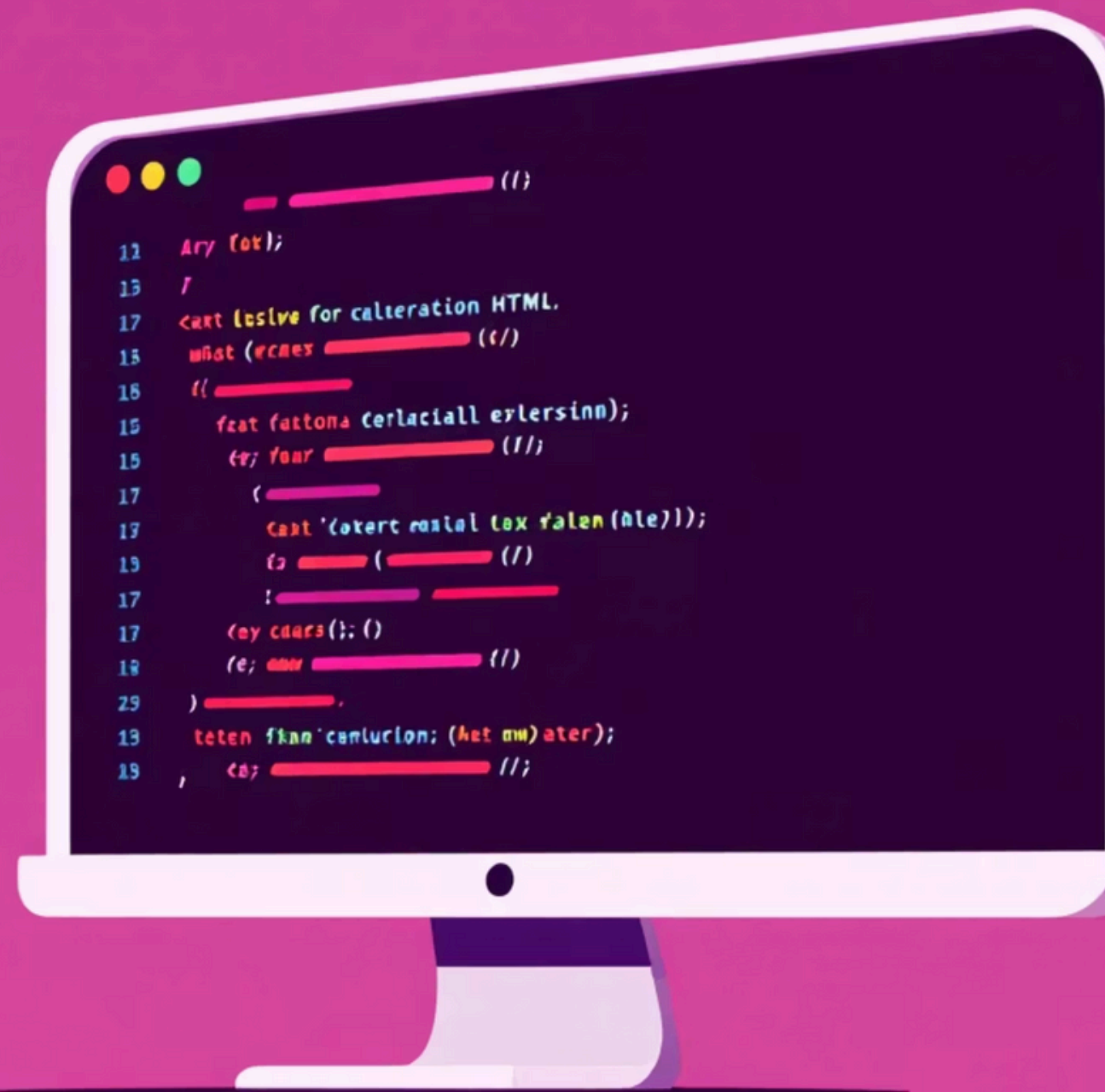
Full-stack web development fundamentals

Module 1: HTML Foundations

Core Concepts

- Understanding the Web
- Client-server interaction
- HTML structure basics
- Detailed HTML tags

Advanced Elements

- Block vs inline elements
- Lists and tables
- Forms and inputs

Module 2: CSS Styling

01

CSS Fundamentals

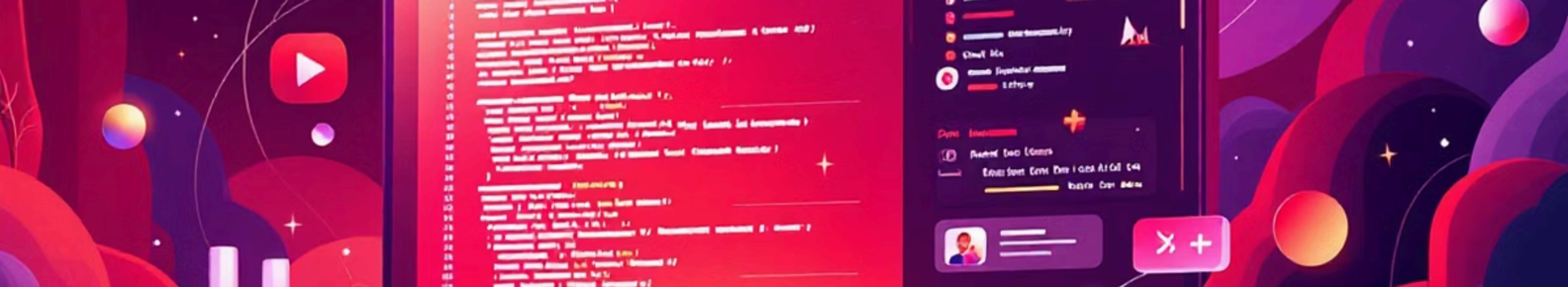Introduction to CSS purpose and selectors for styling HTML elements

02

Advanced Techniques

Transitions, transformations, and inspect element tools

03

Layout Mastery

Flexbox positioning and responsive design with media queries

JavaScript Power

Module 3 introduces the programming language that brings websites to life with interactivity and dynamic functionality.

JavaScript Fundamentals

Core Basics

JavaScript fundamentals, functions, and arrays for building interactive features

Objects & Events

Handling objects, timing events, and DOM manipulation techniques

Advanced Concepts

Closures, constructors, and prototypes for object-oriented programming

Asynchronous JavaScript

Async Programming

Understanding asynchronous operations and their advantages

Ajax Requests

Using Ajax for asynchronous web requests

Promises

Managing operations with Promises and jQuery

Learning Path

HTML Structure

Master the foundation of web pages

CSS Design

Style and layout with modern techniques

JavaScript Logic
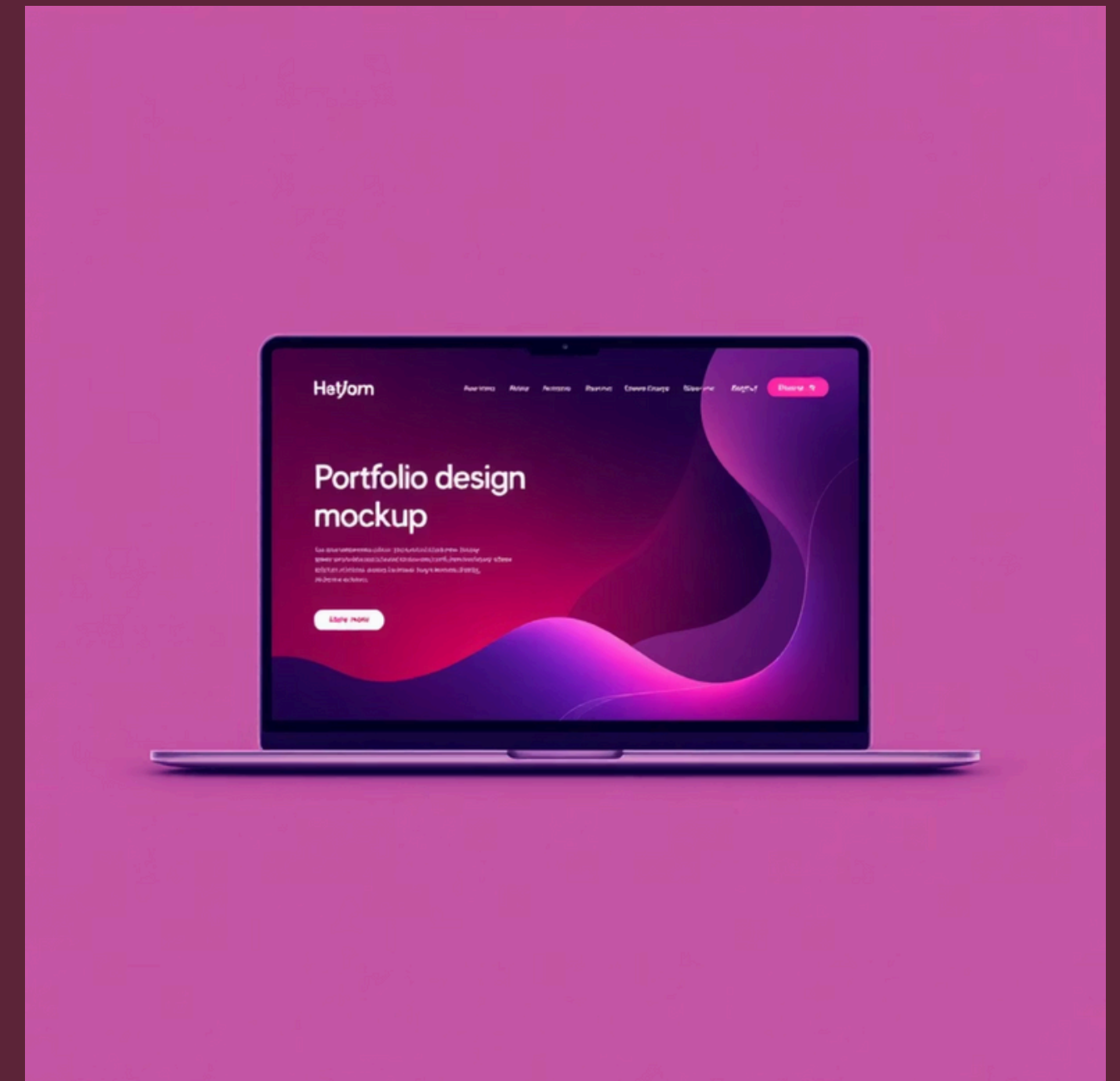
Add interactivity and dynamic features

Final Project

Build your portfolio website

Final Project

HTML/CSS Personal Portfolio Website

Apply everything you've learned by building a complete personal portfolio website combining HTML structure, CSS styling, and JavaScript functionality.

- Implement JavaScript interactivity

- Combine HTML and CSS design

- Showcase your new skills

Ready to Build the Web?

45

Hours

Comprehensive
training

3

Modules

HTML, CSS, JavaScript

1

Project

Portfolio website