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DEPARTMENT : Computer Science and Engineering

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Completed the project named as Phase 5

TECHNOLOGY PROJECT NAME : Dynamic Image Slider

SUBMITTED BY,

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PHASE 5– Solution & Architecture



Project Title: Dynamic Image Slider

Overview:

The *Dynamic Image Slider* is a web-based application that allows users to upload, manage, and display images in an interactive slideshow format. The images transition automatically and can be navigated manually using next/previous buttons.

Key Features:

- Auto-sliding images with customizable timing
- Manual navigation using arrows/dots
- Add, edit, or remove images dynamically
- Responsive UI (works on desktop and mobile)
- Lightweight and fast transitions (CSS/JS based)

Demo Flow:

1. Open the web app homepage.
2. User sees a default image carousel.
3. Admin/User uploads new images via an upload form.
4. The image list updates dynamically without page reload.
5. The slider cycles through uploaded images automatically.

Tech Stack Used:

- **Frontend:** HTML, CSS, JavaScript / React (if applicable)
- **Backend:** Node.js + Express (if applicable)
- **Database:** MongoDB / JSON / Local Storage (depending on your implementation)

2. Project Report

Abstract:

The Dynamic Image Slider project aims to build a flexible and reusable image carousel component for websites or web applications. It supports both automatic and manual image transitions and offers the ability to dynamically update image content.

Objectives:

- Build a reusable and customizable image slider component

- Provide smooth animation and responsive design
- Enable dynamic image addition without reloading the page

System Requirements:

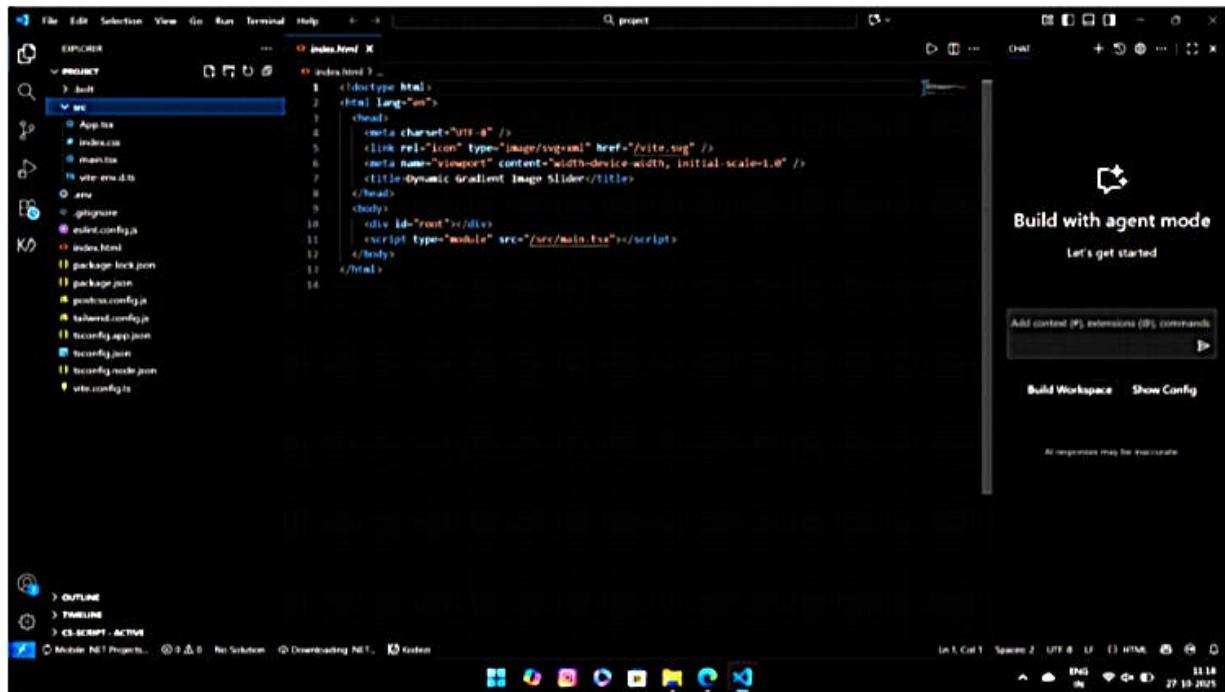
- **Software:** VS Code, Node.js, Browser (Chrome/Edge)
- **Hardware:** Minimum 4GB RAM, 1GHz Processor

Modules:

- Frontend Module:** Handles display and transition of images.
- Backend Module:** Manages image upload, retrieval, and deletion (if applicable).
- Database Module:** Stores image URLs or base64 data.

2/4

Screen shots:



The screenshot shows the VS Code interface with the following details:

- File Explorer:** Shows the project structure with files like App.js, index.css, main.js, vite-env.d.ts, vite.config.js, and index.html.
- Editor:** The index.html file is open, displaying its code. The code includes meta tags for charset, icon, and viewport, followed by a title tag, a head section, a body section containing a div with id="cont" and a script tag, and a closing html tag.
- Right Panel:** A "Build with agent mode" panel is visible, with a "Let's get started" button and options to "Add context" or "Show Config". It also includes "Build Workspace" and "Show Config" buttons.
- Bottom Status Bar:** Shows the status bar with various icons and text, including "Mobile .NET Projects...", "No Solution", "Downloading .NET...", "100%", "11:18", and "27.10.2025".

Abhijith-A02/Dynami...
github.com

0 stars 0 forks 0 watching 1 Branch
0 Tags Activity
Public repository

main ...

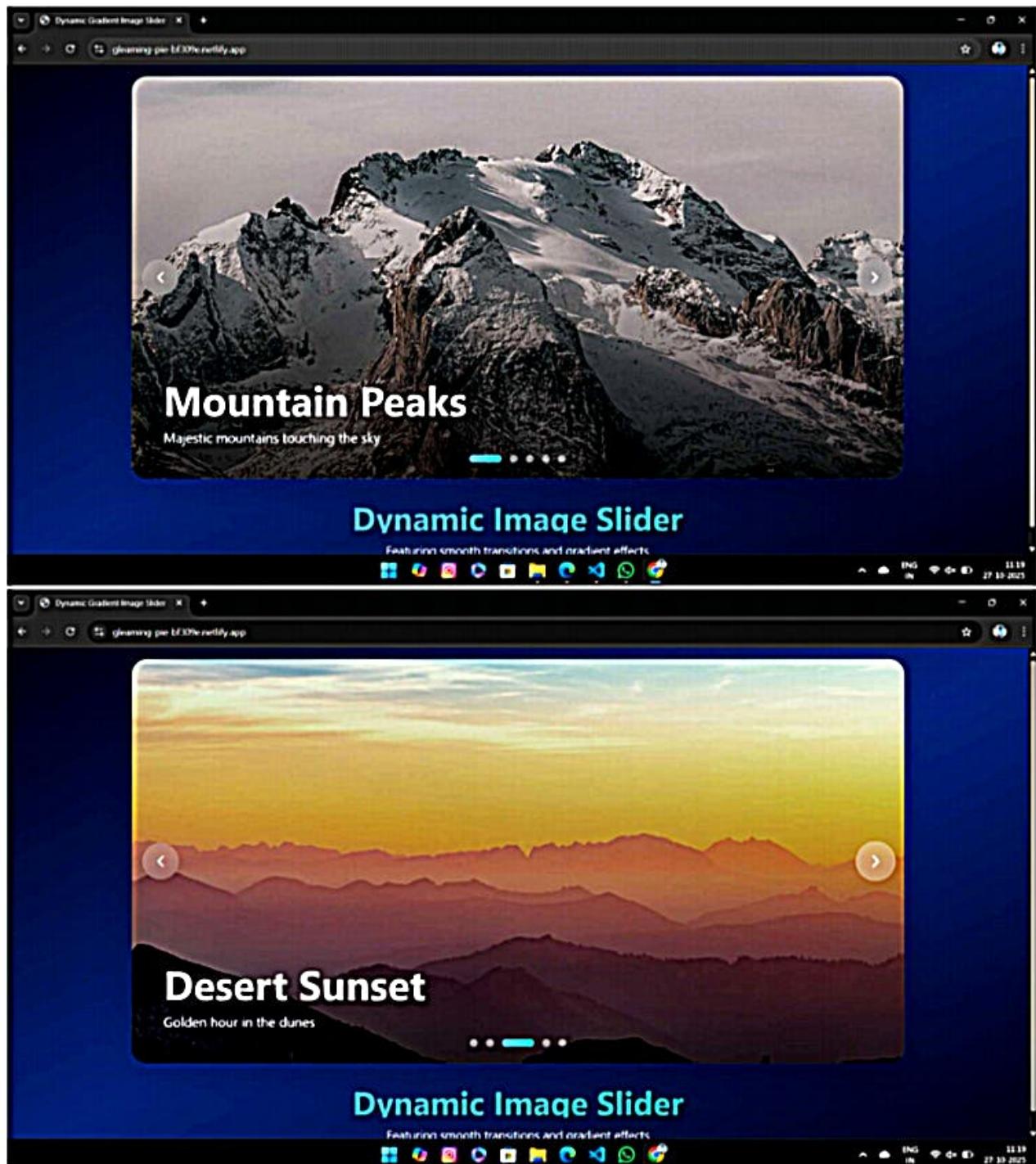
	Abhijith-A02 1 hour ago	
	CODE 1 hour ago	
	PHASE 1 1 hour ago	
	PHASE 2 1 hour ago	
	PHASE 3 1 hour ago	
	PHASE 4 1 hour ago	
	PHASE 5 1 hour ago	
	SCREENSHOT 1 hour ago	
	README.md 1 hour ago	

README

Dynamic Image Slider

The Dynamic Image Slider is a responsive, user-friendly web component designed to display a series of images with smooth transitions and interactive controls. It allows users to view images

3/4



Github Link:

<https://github.com/Abhijith-A02/Dynamic-image-slider>