

The background of the slide is split. The left half features a light blue background with several overlapping, wavy, translucent shapes in slightly different shades of blue and white, creating a sense of depth and movement. The right half is a solid dark navy blue.

Build a Static Website Using VS Code, GitHub & AI

In this presentation, we'll explore how to create and publish a modern, professional-looking static website using VS Code, GitHub, and powerful AI tools.

Course Title & Overview



TITLE: BUILD A STATIC WEBSITE USING VS CODE, GITHUB & AI

Provide a clear and concise title for the course, highlighting the key technologies and goals.



SUBTITLE: A BEGINNER-FRIENDLY GUIDE TO LAUNCHING YOUR FIRST PORTFOLIO OR LANDING PAGE

Emphasize the course's suitability for beginners and the end result of creating a portfolio or landing page.



WHAT THEY'LL LEARN:

List the key learning objectives for the course, such as creating and publishing a static site, using GitHub for hosting, and leveraging AI tools to speed up development.

THIS SLIDE PROVIDES AN OVERVIEW OF THE COURSE, INCLUDING THE TITLE, SUBTITLE, AND THE KEY SKILLS AND KNOWLEDGE THAT PARTICIPANTS WILL GAIN BY THE END OF THE COURSE.

Tools You'll Need

- **VISUAL STUDIO CODE (VS CODE)**

Powerful code editor for writing HTML, CSS, and JavaScript

- **GIT & GITHUB ACCOUNT**

Version control system and web-based hosting platform for your code

- **BASIC HTML/CSS KNOWLEDGE**

Fundamental understanding of HTML structure and CSS styling

- **GITHUB COPILOT OR AI ASSISTANT (OPTIONAL BUT POWERFUL)**

AI-powered tools to assist with code generation and development

- **OPTIONAL: AZURE STATIC WEB APPS OR RENDER FOR ADVANCED DEPLOYMENT**

Cloud platforms for hosting and deploying your static website

Step-by-Step Plan

- **CREATE YOUR PROJECT FOLDER**

Open VS Code and create a folder called 'my-static-site'. Inside the folder, create the files `index.html`, `style.css`, and optionally `script.js`.

- **WRITE YOUR HTML**

Use Copilot or an AI chat assistant to generate a basic HTML layout for your website, including a title, link to the CSS file, and a simple content structure.

- **STYLE WITH CSS**

Add basic styling to your website in the `style.css` file. Utilize AI to suggest color schemes, fonts, or layout tweaks to enhance the visual appeal.

- **INITIALIZE GIT & PUSH TO GITHUB**

Initialize a new Git repository, add your files, commit the changes, and push the repository to GitHub.

- **ENABLE GITHUB PAGES**

In your GitHub repository settings, enable GitHub Pages by selecting the 'main' branch and the root folder. This will make your website live at the provided URL.

How AI Can Help

- **GENERATE HTML/CSS LAYOUTS**

Use Copilot or prompt-based chat to generate responsive and accessible HTML/CSS layouts for your website

- **FIX SYNTAX ERRORS INSTANTLY**

AI-powered code assistants can quickly identify and fix any syntax errors in your HTML, CSS, or JavaScript

- **SUGGEST DESIGN IMPROVEMENTS**

AI can provide suggestions for improving the responsive design, color scheme, typography, and accessibility of your website

- **AUTOMATE REPETITIVE TASKS**

Use AI to automate repetitive coding tasks like formatting, commenting, or generating boilerplate code

- **GENERATE SEO-FRIENDLY CONTENT**

Leverage AI to create search engine optimized content for your homepage, project descriptions, and other website sections

Bonus Tips



ADD IMAGES, ICONS, AND FONTS USING FREE CDNS

Leverage content delivery networks (CDNs) to easily include images, icons, and web fonts in your static website, enhancing its visual appeal.



USE AI TO WRITE YOUR BIO, PROJECT DESCRIPTIONS, OR CONTACT FORM

Leverage AI-powered writing assistants to generate compelling content for your website, such as your bio, project overviews, or contact form.



LINK TO YOUR GITHUB PROJECTS OR PORTFOLIO APPS

Showcase your coding skills and previous work by linking to your GitHub repositories or other portfolio projects.



ADD GOOGLE ANALYTICS OR A CONTACT FORM WITH AI-GENERATED CODE

Integrate Google Analytics to track your website's performance and use AI-generated code to add a contact form, enabling visitors to easily get in touch.

THESE BONUS TIPS WILL HELP YOU FURTHER ENHANCE YOUR STATIC WEBSITE, MAKING IT MORE VISUALLY APPEALING, INTERACTIVE, AND INFORMATIVE FOR YOUR VISITORS.

Real-World Use Cases

- **PERSONAL PORTFOLIO**

Showcase your skills, projects, and professional experience on a clean, modern website.

- **RESUME LANDING PAGE**

Create a dedicated page to highlight your resume and qualifications for potential employers.

- **COURSE HUB FOR SELLING PDFS OR POWERPOINTS**

Provide a centralized platform to sell and distribute your educational content and materials.

- **ADVOCACY OR LEGAL DOCUMENTATION SHOWCASE**

Build a website to present and organize important legal or advocacy-related documents and information.

- **BUSINESS OR CONSULTING SITE**

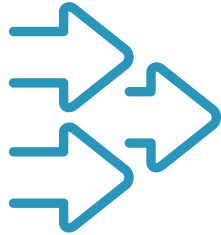
Establish an online presence for your business or consulting services with a professional-looking static website.

What's Next



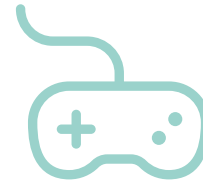
CREATE A DOWNLOADABLE TEMPLATE

Package the static website code and assets into a downloadable template for others to use.



OFFER IT AS PART OF A COURSE BUNDLE

Include the static website template as a valuable resource for students in a larger course or learning program.



ADD A WALKTHROUGH VIDEO OR SCREEN RECORDING

Provide a step-by-step video tutorial to guide users through the process of building and deploying the static website.



USE IT TO TEACH GITHUB PAGES DEPLOYMENT

Leverage the static website example to demonstrate the process of hosting and publishing content on GitHub Pages.

BY CONSIDERING THESE NEXT STEPS, YOU CAN EXPAND THE REACH AND VALUE OF THE STATIC WEBSITE COURSE, MAKING IT MORE ACCESSIBLE AND IMPACTFUL FOR YOUR AUDIENCE.

THIS PRESENTATION HAS PROVIDED A COMPREHENSIVE GUIDE TO BUILDING A STATIC WEBSITE USING VS CODE, GITHUB, AND AI-POWERED TOOLS. PARTICIPANTS WILL NOW HAVE THE KNOWLEDGE AND SKILLS TO CREATE THEIR OWN PORTFOLIO OR LANDING PAGE, SHOWCASING THEIR WORK AND EXPANDING THEIR ONLINE PRESENCE. WITH THE STEP-BY-STEP PLAN, AI ASSISTANCE, AND BONUS TIPS, THEY CAN QUICKLY AND EFFICIENTLY LAUNCH THEIR FIRST STATIC WEBSITE.

