

HTML (HyperText Markup Language) – A markup language used to structure *content* on the web using elements like headings, paragraphs, and links.

CSS (Cascading Style Sheets) – A styling language that controls the *appearance* of web pages, including layout, colors, and spacing.

JavaScript (JS) – A programming language that adds *interactivity* and dynamic behavior to websites.

DOM (Document Object Model) – A representation of a webpage as a *tree structure*, allowing scripts to modify elements.

Frontend Development – The process of building the parts of a website users *see* and *interact* with.

Backend Development – The server-side logic that manages *data*, *authentication*, and *processing* behind the scenes.

API (Application Programming Interface) – A system of rules that allows software components to *communicate* with each other.

Responsive Design – A design approach that allows websites to adapt to different *screen sizes* and *devices*.

Framework – A prebuilt structure that provides *tools* and *patterns* to simplify development (e.g., React, Django).

Library – A collection of reusable *functions* or *components* designed to streamline common tasks.

Git – A version control tool that tracks *changes* in code and supports collaboration.

Repository (Repo) – A storage space where *project files* and their history are maintained.

HTTP (Hypertext Transfer Protocol) – A protocol that governs how *data* is transferred between web clients and servers.

HTTPS – A secure version of HTTP that uses *encryption* to protect transferred information.

REST (Representational State Transfer) – An architectural style for APIs that uses standard HTTP methods to manage *resources*.

Full-Stack Development – The practice of working on both the *frontend* and *backend* of a web application.

Web Hosting – A service that provides the *servers* and infrastructure required for websites to be available online.

Browser Rendering Engine – Software that interprets code and transforms it into a *visual* webpage.