

SEMANTIC WEB

WHAT IS A SEMANTIC WEB?

Definition

An extension of the current World Wide Web that adds a layer of machine-interpretable metadata to web content, giving it well defined meaning.

1

Goal

To make information easier to find and use.

2

Improve Searching

Gives better results by understanding the context.

3

Meta-Tags

An HTML tag that provides meta-data or information about a webpage to search engines and web browsers.

4

Example Meta-Tags

<Meta name="description">
and <Meta name="author">

5

Semantic Tags

A tag that clearly describes the meaning and purpose of the content it contains, rather than how it looks (<header> and <article>).

6

Why They Matter

Improve accessibility and readability.

7

Web Ontology Language

Connects relationships between data.

8

Benefits

Makes websites smarter and easier to use.

9

Future

Helps websites adapt to newer technologies.

10