

WHAT I LEARNED

What is Web development?

Web development refers to the process of creating, building, and maintaining websites and web applications that run on the internet. It encompasses everything from designing a simple static page to developing complex web-based applications, electronic businesses and social network services.

Main Components of Web Development

1. Front-End Development

- Deals with the user interface (UI) and user experience (UX)
- Technologies used:
 1. HTML (structure)
 2. CSS (styling)
 3. JavaScript (interactivity)

2. Backend Development

- Handles business logic, database interactions, authentication, and server configurations.
- Languages and frameworks:
 1. Node.js, Python (Django/Flask), PHP, Ruby on rails, Java (Spring)
- Databases; SQL (MySQL, PostgreSQL), NoSQL (MongoDB)

3. Full-Stack Development

- Involves server management, CI/CD pipelines, version control, and cloud hosting.
- Tools; GitHub, Docker, AWS, Netlify, Vercel, Heroku.

Difference between Web development and Web design.

Web Development focuses on functionality, logic and structure of the website whereas Web Design focuses on the visual appearance and user experience (UX/UI).