

**Report File**

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**Note:** Do your In-Depth Research before writing the report. Do not write vague steps. Study about it and write what’s executable. (No word limit)

**Steps to create a website from scratch:**

**(**Add your strengths as well)

1. **Learning tools example: HTML, CSS, bootsrap, javascript(for frontend)**

**I learnt the basics of HTML, css from udemy HTML foundation course.Thereafter I watched few youtube videos to understand in depth features. W3 schools is an awesome website to help you get hands on practice. Learn various tags, lists, inline commands etc.**

**2. Understanding Structure of HTML code and organzing snippets. HTML, css codes have block structures. We out smaller blacks under bigger blocks or div, and combine these divs in a class. The features of each div and class can be described in the style css file.**

**3.Learn CSS: Css has selectors . Css language is basically used to provide to provide style and definition to HTML dicuments. A selector in css eg p means that all tags of p in HTML dicuments will get same style and configuration as mentioned in the css selector.**

**4. Link the style sheet to HTML document.** <link rel="stylesheet" href="styles.css"> is **used to link an external styles.css sheet to HTML document. Css can be added to HTML document using 3 ways   
Inline** - by using the style attribute inside HTML elements

* **Internal** - by using a <style> element in the <head> section
* **External** - by using a <link> element to link to an external CSS file

**To  put a CSS stylesheet together is by defining each class one by one, and then testing if the outcome in your page design is what you wanted.**

**5. Use Bootstrap to use a framework that makes sure that the main scaffolding of your web page is ready and optimized for further development.**

**To learn bootstrap go to** [learn Bootstrap](https://websitesetup.org/bootstrap-tutorial-for-beginners/)  and download the bootstrap package and continue building on top of it.

**6. Pick a design for website for create a design on pen paper and try to structurize it. There are various free templates on the net which can be dowloaded and worked upon. Few github pages also provide free templates.**

**We can use our existing knowledge of Html, css to format the website design to create exactly what we want.**

**7. Redesigning and customising the website. Use bootstrap, html and css to add new features to an existing website. Almost all websites have a top navbar, a contact info section, about us section etc. To make website personalised and dynamic we add html and css templates to webiste to add colors, buttons, sections etc.**

**8. Learn Django for free code camp etc.Make the website dynamic by adding backend features to it.I use python laguage and Django freamework for the backend**. **It's a full-stack framework and includes all the necessary features by default instead of offering them as separate libraries**.

**9. Learn the advanced concepts of Django from resources like:**[**A Complete Beginner's Guide to Django**](https://simpleisbetterthancomplex.com/series/beginners-guide/1.11/)**is a wonderful seven-part series that incrementally builds out a Django project and handles**[**deploying the app**](https://www.fullstackpython.com/deployment.html)**in the final post. The seven parts are:**

* + [**Getting Started**](https://simpleisbetterthancomplex.com/series/2017/09/04/a-complete-beginners-guide-to-django-part-1.html)
  + [**Fundamentals**](https://simpleisbetterthancomplex.com/series/2017/09/11/a-complete-beginners-guide-to-django-part-2.html)
  + [**Advanced Concepts**](https://simpleisbetterthancomplex.com/series/2017/09/18/a-complete-beginners-guide-to-django-part-3.html)
  + [**Authentication**](https://simpleisbetterthancomplex.com/series/2017/09/25/a-complete-beginners-guide-to-django-part-4.html)
  + [**Django ORM**](https://simpleisbetterthancomplex.com/series/2017/10/02/a-complete-beginners-guide-to-django-part-5.html)
  + [**Class-Based Views**](https://simpleisbetterthancomplex.com/series/2017/10/09/a-complete-beginners-guide-to-django-part-6.html)
  + [**Deployment**](https://simpleisbetterthancomplex.com/series/2017/10/16/a-complete-beginners-guide-to-django-part-7.html)
* **Test driven development using Django can be used to test the website at each stage before deployment.**

**10. Deploy the website: Use GitHub pages for static website hosting.**

**Use cloud storage services for static website hosting. Hosting website is a topic that requires expertise and some experience. Various resources are there that can be leveraged to learn the same. To get a particular domain name, we sometimes have to pay a small ammount ex on firebase, netify etc.**

**MY PORTFOLIO:** My portfolio: <https://portfolios.talentsprint.com/~shubhi/>

**GITHUB**: <https://github.com/shubhii0206>

Website for hackathon https://github.com/shubhii0206/Quodhers

**(You can add according to your convenience)**

**Tools to create website:**

(Add tools you are good at)

**1. HTML, css, flutter**

**2.bootstrap, javascript.**

**3. Wordpress, django, research, documentation, git, version control system etc**

**(You can add accordingly)**