FRONTEND GEMBOX

WRITTEN BY:-
Chetna Grover & Vishal Rajput

DESIGNED BY:-
Chetna Grover

TABLE OF CONTENTS

1. ROADMAP TO FRONTEND

2. FREE LEARNING RESOURCES

3. PROJECTS

4. BEST YOUTUBE CHANNELS

5. 5 AMAZING TOOLS

6. CHROME EXTENSIONS

7. TECHNICAL SEO

8. TIPS AND TRICKS

ROADMAP

ESSENTIAL STUFF

- LEARN BASICS OF GIT
- LEARN BASICS OF LINUX COMMAND
- LEARN SSH/PROTOCOL/API/HTTP REQUEST
- TASK 1: MAKE YOUR GITHUB ACCOUNT

HTML

- LEARN THE BASICS
- FORMS AND VALIDATIONS
- LEARN WRITING SEMANTIC HTML
- PROJECT 1: MAKE A SCHOOL REGISTRATION FORM

CSS

- LEARN THE BASICS
- LEARN FLEXBOX AND GRID LAYOUT
- RESPONSIVE DESIGN AND MEDIA QUERIES
- PROJECT 2: MAKE YOUR PERSONAL PORTFOLIO

JAVASCRIPT

- SYNTAX AND BASIC CONSTRUCTS
- LEARN DOM MANIPULATION
- LEARN FETCH API/AJAX
- ES6+ AND MODULAR JAVASCRIPT
- PROJECT 3: MAKE YOUR OWN NOTE TAKING WEB APP, SNAKE, ROCK PAPER SCISSORS, TIC-TOE-TAC GAME

FREE LEARNING RESOURCES

- GIT Commands
- Linux Commands
- SSH Protocol
- Http/Htpps Request
- API, Protocols & Data requests
- Basics Of HTML (article)
- Basics Of HTML (video)

- Basics Of CSS (article)
- Basics Of CSS(video)
- CSS Tips and Tricks
- HTML + CSS Projects
- Basics Of JS (art)
- Basics Of JS(video)
- Advanced JS
- JS Projects

PROJECTS

- LANDING PAGE
- QUIZ GAME,TO DO LIST
- GOOGLE CLONE
- FLIPKART CLONE
- YOUTUBE CLONE
- E-COMMERCE WEBSITE
- MULTI-PAGE WEBSITE

BEST YOUTUBE CHANNELS

- Freecodecamp
- TraversyMedia
- CodeWithHarry
- ThapaTechnical
- LearnWebCode
- DevEd
- Hitesh Choudhary

5 AMAZING TOOLS

- **Spline**-Use text, create basic geometric shapes, edit materials, import 3d models, and more
- **Panelbear**-lets you measure your website's most important metrics
- **Blobmaker**-A tool to create unique organic SVG shapes
- **Paletton**-A designer tool for creating color combinations that work together well
- **Ubersuggest** - helps increasing your website's chances of ranking against the competition

CHROME EXTENSIONS

- **GitHunt** is an extension that replaces the new tab of your browser with the trending github repositories.

- **WhatFont** is an extension with which you could inspect web fonts by just hovering on them.

- **ColorZilla** is an advanced Eyedropper, Color Picker, Gradient Generator and other colorful goodies

- **BrowserStack** extension lets you test your website with different browsers.

- **HTML Validator** the number of errors of a HTML page is seen with an icon in the browser status bar.

- **Checkbot** is a powerful website tester that tells you how to improve the SEO, page speed and security of your website.

TECHNICAL SEO

Technical SEO refers to the process of optimizing your website for the crawling and indexing phase. It help search engine spiders crawl and index your site more effectively.

Tags that boost your website SEO

- Title tag
- Meta description
- Heading Tags (H1-H6)
- Canonical tag
- Alternative text tag for img
- Responsive design meta tag
- Robots Meta Tag
- Schema Markup

TIPS & TRICKS

- **Contribute to Open-Source Projects-**Working on open-source projects from places like GitHub helps you immerse yourself in code.

- **Teach Others What You Know -** It gives you the opportunity to review what you already know and back it up with practical examples

- **Build New Projects-** Every day, code and practice. Always have a clear structure, layout, and content for your website before coding.

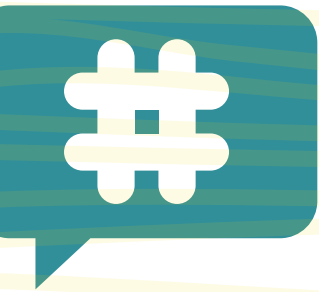
Use Google Chrome as a Text Editor

- Open the chrome browser.
- Copy and paste the code given below in the search bar of the chrome tab.

```
data:text/html, <html contenteditable>
```

Speed Up Your Website by Setting Up Gzip Compression

Use the "Reversed" Attribute to Write a Descending List of Numbered Items



HOST ALL YOUR PROJECTS ON GITHUB AND SHARE IT WITH YOUR FRIENDS OR OVER LINKEDIN FOR FEEDBACK

Vishal Rajput

We will be happy to receive your feedback. We hope this E-book helped you and you got to learn something new

Chetna Grover

THANK YOU