

## Syllabus

The portions included for web development  
With Django backend technology.

# Web Development Mentorship

### Django Technology

#### 1. Introduction to Web Development :

- Overview
- Basic terminologies - web, web page, web site, frontend, backend etc..
- Installation of VS code

#### 2. HTML :

- Structure of HTML
- Basic Tags - b, i, img, a, input, button, div, p etc..
- Tables and special tags - abbr, marquee, mark etc..

#### 3. CSS :

- Syntax and explanation
- Commonly used styles
- CSS selectors
- Flexbox and Grids
- Animations
- Responsiveness

#### 4. Bootstrap :

- Introduction
- Bootstrap Classes
- Flexbox and Grids
- Navigation Bar, Carousel, Model, Displaying content,

#### 5. JavaScript :

- Introduction
- Basic APIs - creating, removing class and ids.
- Pop-up boxes
- Inbuilt functions like eval(), random() etc..
- DOM Eventlisteners.

#### 6. GitHub :

- Introduction
- Repository creation
- Push and Pull
- Hosting Static website

#### 7. Python :

- Introduction and Installation
- Variables, Lists, Tuples, Sets and Dictionaries
- User input, Conditional and looping statements
- Arrays, functions, Recursion

- Numpy
- OOPs basics
- Files Basics

## 8. Django :

- Getting started with Backend
- Installation
- Project and App creation
- Inbuilt files introduction
- Templates and Static Files
- GET and POST methods in detail
- MVT Architecture
- Static files
- Models
- Dynamic files and Admin Panel
- Migrations
- Loops and Conditions
- ORM theory
- User Registration, Login and Logout System

## 9. Heroku :

- Introduction
- Deploying to heroku server
- Postgres connection

# References

## Websites

- W3Schools : [W3Schools Online Web Tutorials](https://www.w3schools.com)
- GeekForGeeks : [GeeksforGeeks | A computer science portal for geeks](https://www.geeksforgeeks.org/)
- Code Academy : [Learn to Code - for Free | Codecademy](https://www.codecademy.com/)
- Stack Overflow : [Stack Overflow - Where Developers Learn, Share, & Build Careers](https://stackoverflow.com/)

## Instagram

- [https://instagram.com/richwebdeveloper?utm\\_medium=copy\\_link](https://instagram.com/richwebdeveloper?utm_medium=copy_link)
- [https://instagram.com/developers\\_community\\_.?utm\\_medium=copy\\_link](https://instagram.com/developers_community_.?utm_medium=copy_link)
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- [https://instagram.com/\\_python.py\\_?utm\\_medium=copy\\_link](https://instagram.com/_python.py_?utm_medium=copy_link)

## Youtube

- [https://youtube.com/playlist?list=PLu0W\\_9lII9agiCUZYRsvtGTXdxkzPyltg](https://youtube.com/playlist?list=PLu0W_9lII9agiCUZYRsvtGTXdxkzPyltg)
- <https://youtube.com/playlist?list=PLsyeobzWxl7poL9JTVyndKe62ieoN-MZ3>
- <https://youtube.com/playlist?list=PL-osiE80TeTtoQCKZ03TU5fNfx2UY6U4p>