



FULL STACK WEB DEVELOPMENT WITH PYTHON AND DJANGO

This program will put you on a high-growth career path in Web Development. Learn end-to-end web development technologies.

In association with

Why should I learn Full Stack Web Development?

High Paying Job

Full Stack Web Developer is considered as one of the high-paying jobs throughout the globe as there is an increase of businesses moving online.

Work From Anywhere

All you need for web development is the internet and a laptop. Not all jobs are remote, but if that is your preference, there are remote jobs out there for you.

Freelance Opportunities

Right after learning full-stack web development, you can charge around 20\$ and above per hour depending on where you live for your work. That will only increase as you become more skilled.

Work at top tech companies

With the right skill sets, you can get into top tech companies like Amazon, Facebook, Google, Microsoft, Netflix, etc.

Top Business running on Web-Application



amazon.com e-com web application with \$75.5 billion sales revenue in first quarter of 2020



netflix.com is a streaming service for entertainment with 6,94,444 hours watched in a minute.



dropbox.com an application for smart secure storage.



youtube.com it's a video sharing web-app with more than 4.5 million watched in a minute.



twitter.com is a social networking web application with more than 6000 tweets per second.



linkedin.com is the world's largest professional network on the internet.

Who can take up the Course?

Graduated & Confused?

For such individuals who are looking for the next big thing in the technology domain and want to bridge the gap between current skill sets and industry expectations, then this course would lay a solid foundation for you.

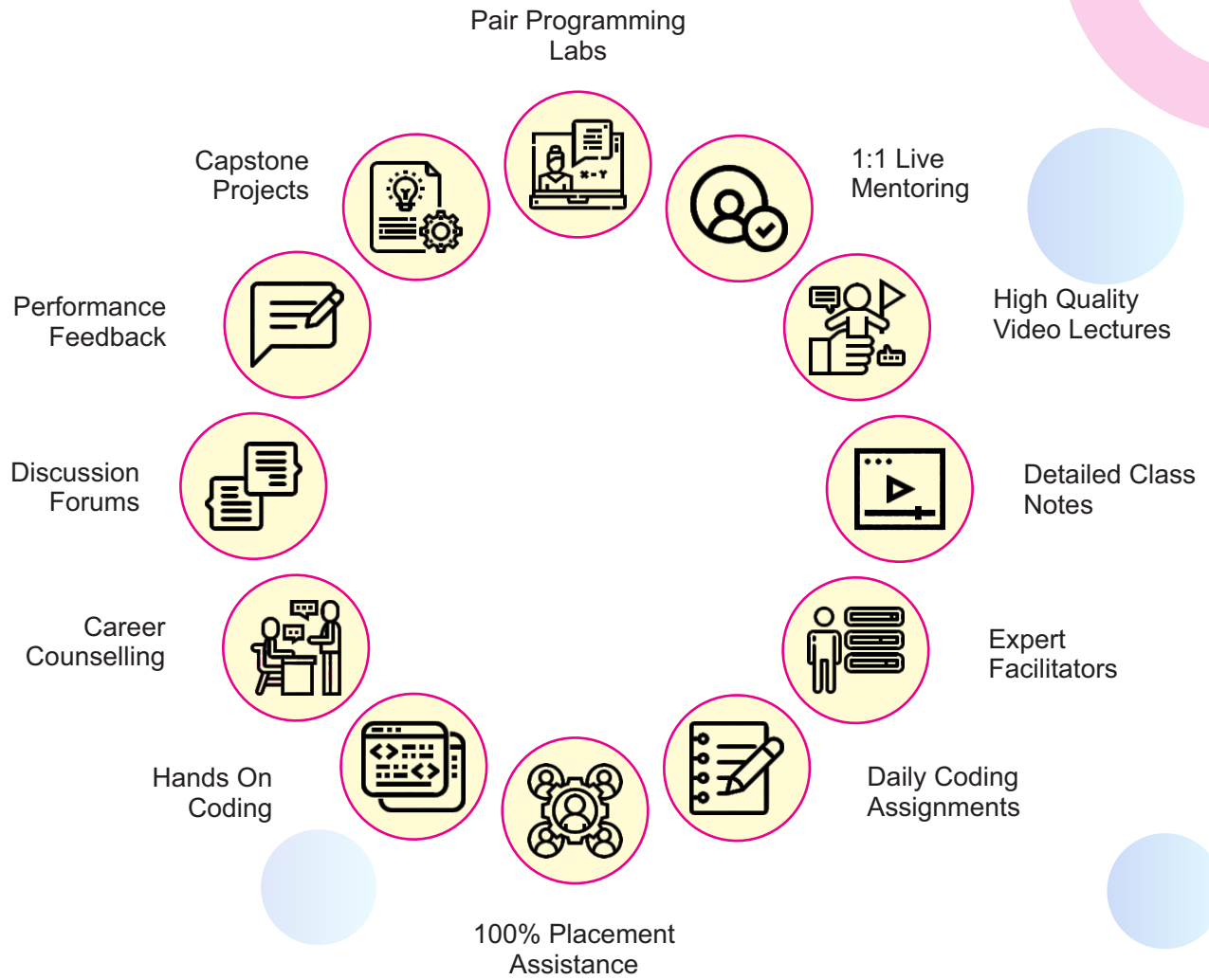
Are you pursuing your tech degree?

For all such individuals who are pursuing their degree this the course would be a game-changer to equip yourself with the skill sets of the hottest technology in the market. Stand out from your peers by working on cutting-edge projects of a full-stack developer which would make you the number one choice for recruiters in the future.

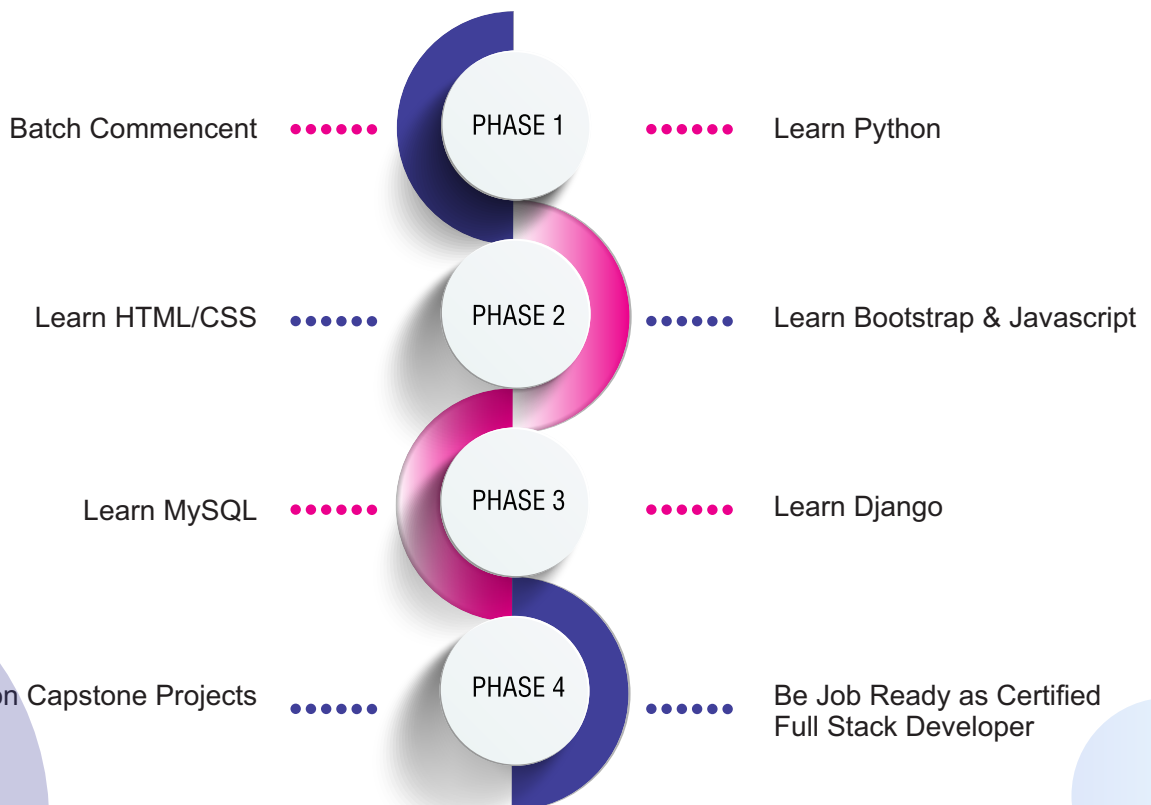
Working and want to Up-Skill?

Working professionals who want to climb the corporate ladder or change domains, this course was is designed for you. Get that dream job and hike you always wanted by up Skilling yourself with Rooman's Full Stack Web Development course.

Course Features:



Course Features:



Python:

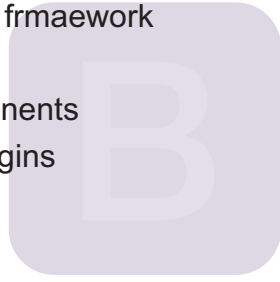
- History of python, ALL, MLL, HLL, Interpretation v/s compilation
- Interactive and script mode, OOPS principles
- Data Types
- Type casting
- Functions
- Types of arguments
- Modules in python
- Command line arguments
- Operators
- Loops in python
- Break and continue statements
- Lambda Functions
- Filter, Reduce, Map
- Global variable, Local variable
- Recursion
- Strings
- String Methods
- String Excersie Programs
- Regular expression
- Referential array
- List Operations
- List comprehension
- zip(), all(), any(), join() functions.
- Performance analysis of list
- Tuple
- Set
- Set comprehension
- Dictionary
- Collection module
- OOPs concepts with real time examples
- Instance and static variables
- Decorators
- Closures
- Different Methods
- Design Principles Of OOPs
- Encapsulation
- Inheritance
- Polymorphism
- Aggregation & Composition
- Abstraction
- Duck Typing
- Exception handling
- Loggers
- File handling
- Generators
- Process vs Thread
- Multi Threading
- Python Database Programming

HTML/CSS:

- Introduction to CSS3, Basic Selectors
- Working with Sizes, Colours and Files, Styling Text
- Web Fonts, Gradients without Images
- Advanced Selectors, Lists and Navigation Menus
- Exploring Generated Content
- Transforms and Transitions
- Animating Elements with Key frames
- Styling Tables
- Elements Positioning, Working with Layouts
- Multi-Column Layouts with CSS3
- Dealing with Cross Browser Layouts
- Media Queries, Print CSS3

Bootstrap:

- Introduction to Bootstrap framework
- Bootstrap CSS
- Bootstrap Layout Components
- Bootstrap JavaScript Plugins
- Using Bootstrap



Javascript:

- Introduction to web development and JavaScript
- JavaScript Essentials
- JavaScript Essentials
- DOM Scripting
- DOM Scripting

MySQL:

- ER Diagrams
- Constraints
- Creating Database and Tables, Inserting Data, CRUD Commands
- CRUD, Basic queries
- Refining our Selections- Like
- Single row Functions
- Aggregate Functions



- Group by, Having, order by clauses
- Sub Queries.
- Joins
- Set Operators
- Normalization
- Views, Index , Export and Import using Scripts.
- Stored procedures, Triggers

Django:

- Introduction To Django
- Client Server Architecture, Application vs Project in Django
- Django Installation and Development of First Web Application
- Creating URL patterns
- Creating multiple Application
- Django Templates and Static Files
- Working with Models and Databases
- Configuring of MySQL database
- Model class
- Working with Django Forms, GET & POST
- Form Validation, Custom Validators
- Working with Django Model Forms
- Storing user data in database
- Working with Advanced Template Features
- Template Inheritance
- Template Filters
- Template tags for relative urls
- Session Management
- Types of cookies
- Session API

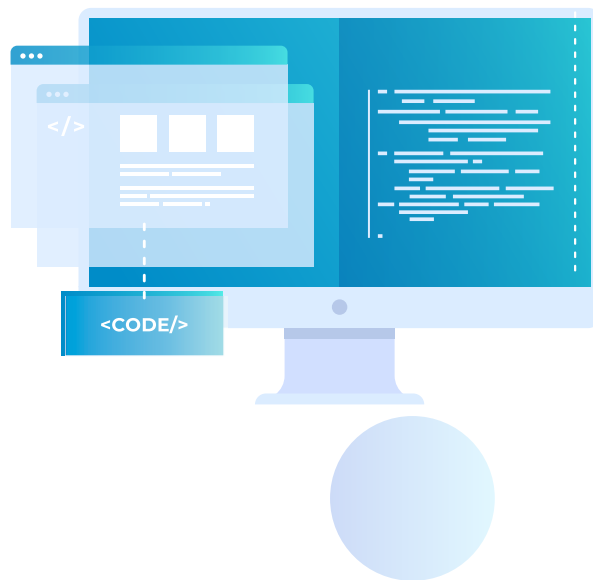
- User Authentication and Authorization
- Static vs Media Folder
- Function based views
- Class based Views
- CRUD operation using function based view
- Model related views
- Difference between CBF and FBV
- Django ORM
- Query Set
- Aggregation Functions
- Working with Advanced Model Concepts
- Model Inheritance
- Custom Managers
- Proxy Model Inheritance
- Working with Django Middleware
- Custom Middleware
- Single Middleware class
- Configuration of Multiple Middleware classes
- Deployment of our application in the Live Environment



Web Development Tools



django



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