



Python Fullstack Development

Content

&

Curriculum



Backend Development

Python

Introduction to Python

Python for Data Manipulation

Improve performance



SQL

Introduction to MYSQL

Advance SQL



Advanced DSA

Data Structures and Algorithms

Linked List

All Sorting Algorithms



Django

Intro to Postman and Django

Django Settings

Models, Shell

Advanced Concepts of Django



Job ready Here

Programming with Python

Python is a popular and powerful programming language used extensively for backend web development. Its versatility, simplicity, and rich ecosystem of libraries make it an excellent choice for building robust and scalable web applications

Python

7 WEEKS

1. VARIABLES, EXPRESSIONS AND STATEMENTS
2. FUNCTIONS, ITERATIONS, STRINGS
3. CONDITIONALS AND LOOPS
4. LISTS, DICTIONARIES, TUPLES
5. FILES HANDLING & OPERATIONS
6. OOPS
7. DATA HANDLING
8. DATA MANIPULATION WITH NUMPY
9. DATA ANALYSIS WITH PANDAS

2 Mentorship Session in a Week



Assignments
&
Projects

8 Assignments & 2 Projects

Learning SQL

SQL (Structured Query Language) is a specialized language used for managing and manipulating relational databases. As the backbone of backend data storage and retrieval, SQL plays a crucial role in web development

Introduction to MYSQL

2 WEEKS

1. MYSQL INSTALLATION
2. GETTING STARTED WITH SQL AND QUERIES
3. QUERIES WITH CONSTRAINTS
4. DDL STATEMENTS, DML STATEMENTS
5. JOINS IN SQL
6. QUERIES WITH AGGREGATES

2 Doubt Clearing Session In a Week



Projects
&
Assignments

5 Assignments

DSA Advanced

Step into the realm of DSA Advance, where algorithms evolve into supercharged warriors, conquering the most formidable coding challenges with unmatched finesse. Unleash the hidden potential of your code, harnessing the strength of advanced data structures, and witness your programs transcend the ordinary, blazing a trail of digital brilliance!

Topics To Cover

4-6 WEEKS

1. LINKED LIST
2. STACK
3. QUEUE
4. HASH TABLE
5. TREE
6. GRAPH
7. HEAP
8. SORTING ALGORITHMS

2 Practice Session In a Week



Project
&
Assignments

10+ Assignments & 2 Projects

Django

Master Django web development essentials with our student-friendly course! Explore building dynamic web applications using Django, a powerful Python web framework. Learn about database integration, URL routing, template rendering, and user authentication.

Django

5 WEEKS

1. INTRO TO POSTMAN AND DJANGO
2. DJANGO SETTINGS, MODELS, SHELL
3. ORM
4. DJANGO ADMIN, MIDDLEWARE, REQUEST-RESPONSE CYCLE
5. ADVANCED CONCEPTS OF DJANGO
6. UNIT TESTING AND DJANGO SETTINGS
7. CLASS-BASED VIEWS AND AUTHENTICATION

Live Classes 3 Days In a Week



Project
&
Assignments

7 Assignments & 2 Project

Python FullStack Development



Backend Development

Python

Introduction to Python
Python for Data Analytics
Improve performance

SQL

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Advance SQL

Advanced DSA

Data Structures and Algorithms
Linked List
All Sorting Algorithms

Django

Intro to Postman and Django
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Your Are Already here & Continue
to become a full stack developer

Job ready Here

Frontend Development

HTML & CSS

Basic of Web development & Internet
Introduction to HTML & CSS
Introduction to Bootstrap

Java Script

Basics of a Programming Language
Functions
Object Oriented Programming



Job ready Here

Start Learning Html & CSS

Unleash the web wizard within with HTML and CSS, the dynamic duo of digital design! HTML weaves the tapestry of structure, while CSS paints the canvas with style, unleashing jaw-dropping websites that dance with color and flair. Together, they create a symphony of code, transforming pixels into captivating online experiences!

HTML

2 WEEKS

1. ADDING ELEMENTS TO THE WEB PAGE
2. STRUCTURE OF A WEB PAGE
3. HYPERLINKS
4. ATTACHING MEDIA
5. TABLES
6. FORMS

CSS

2 WEEKS

1. STYLING THE WEB PAGE
2. BOX MODEL
3. TYPOGRAPHY
4. FLEXBOX
5. RESPONSIVE DESIGN

2 Practice Session In a Week



Project
&
Assignments

4 Assignment & 1 Project

Learning Java Script

Javascript, the dynamic sorcerer of the web, breathes life into static pages with its enchanting spells of interactivity and animation. Unleash its power, and watch your website ignite with a blaze of creativity that captivates users like a mesmerizing technomancer!

Introduction To Java Script

1-2 WEEKS

1. DATA TYPES
2. VARIABLES (PURPOSE OF USING VARIABLES)
3. OPERATORS
4. CONDITIONAL STATEMENTS
5. LOOPS
6. USEFUL BUILT-IN METHODS IN JAVASCRIPT

Advance Concepts

2 WEEKS

1. OBJECT DOM MANIPULATION
2. JAVASCRIPT ASYNC AND PROMISES

2 Doubt Clearing Session In a Week



Project
&
Assignment

5 Assignments & 2 Projects