FULL STACK PYTHON

Mastering Web Applications

Kapil IT Skill HUB
Your path to success

Full Stack Python CERTIFICATION TRAINING COURSE

Full Stack Python Demo Date   :

Full Stack Python Time   :

Full Stack Python Duration   :   Months

Full Stack Python Trainer   :

Full Stack Python Fee   :   Rs.

Our Expert Trainers

Hello! I'm Saral Kumar Having 7+ Years of Experience It's great to connect with you, and I'm here to help you on your journey into the world of Full Stack Python . I'm **excited to share my knowledge and experience with you as you on this.** Throughout my career, I've had the pleasure of guiding numerous students, and it's always incredible to see them set out on their Full Stack Python journeys.

• Training Highlights

- Providing individualized support and mentorship to expedite the learning process.

- A hands-on and comprehensive approach that ensures accessibility and empowers everyone to excel through practical learning and understanding.

- A curriculum crafted by industry experts and subject matter authorities, tailored to prepare students for the real-world demands of their chosen field.

- Bringing invaluable insights and expertise to the classroom through guest lectures by prominent professionals from top multinational corporations (MNCs).

Program Pedagogy •

Instructor-LED Training
Get Trained by top industry experts

1:1 Personalized Learning
Hands on exercises, project work, quizes & capstone projects

Projects and Exercises
Get real-world experience through projects
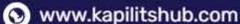
Hackthons
Get a sense of how real projects are built

• Key Highlights

75 Hrs Instructor-Led Training	•	100% Job Assistance	•	Internship Opportunities
90 Days Free Lab access	•	Kapil IT Skill Certification	•	Corporate Training Environment

Hottest Job of 21st Century

1.5 Million Job Postings
There is a global estimate of 1.5 million job postings for Python roles by 2022

Growing AWS Industry
42.2% CAGR in the global
Python industry

Popular Degree
34% of Python professionals
have a master's degree

Skill Development
Python professionals are equipped with various relevant skills fetching lucrative job offers

Future oriented Career
Python is a budding field; a head start will
prove to be beneficial

High Demand
By 2022, India and US will face a demandsupply
gap of 220,000 Python professionals

Python Front End

Module 1: Hypertext Markup Language (HTML)

Topics:
- Introduction
- Rules to code HTML
- Types of elements
- HTML List
- Text Formates
- Images
- Links
- Tables
- Forms
- Media Tags
- HTML DOM

Module 2: Cascading Style Sheets (CSS)

Topics:
- Introduction
- Types of Styling
- Types of Selectors
- Background Properties
- Box Model
- Font and Text Properties
- List Properties
- Link Properties
- Table Properties
- Float, Flex Box
- Position Properties
- CSS Forms
- Navigation bar
- Animations
- HTML Semantic Elements

Module 3: JAVA SCRIPT

Topics:
- Introduction
- Type of Scripting
- Variables
- Operators
- Functions
- Control Statements
- Arrays, Arrays Methods
- String, String Methods
- Number, Number Methods
- Objects

- Objects
- Events
- DOM Methods
- Form Validation
- Asynchronous

OOPS concepts - Classes, objects
- Private, Public Properties
- Inheritance
- Polymorphism
- Encapsulation
- Abstraction

Module 4: BOOTSTRAP

Topics:
- Introduction
- How to Download
- Basic Topics
- Grid System

Bootstrap-Content
- Typography
- Code
- Images
- Tables

Bootstrap-Components
- Alert, Badges, Buttons
- Cards
- Carousels
- Forms
- Collapse
- Dropdown
- Modal
- Nav, Navbar
- Popover, Tooltip

Module 5: REACTJS

Topics:
- Introduction
- Installation
- React Components
- React Routing
- Bootstrap Installation
- States and Props
- Hooks

- JSON formate
- Email access
- React Forms
- Fetching Data
- Axios concept
- CURD Operations
- Life cycle
- Redux

Module 1: Introduction about Coding and Programming

Topics:
- What is Coding
- Uses of Coding
- What is programming
- Types of Programming

Module 2: Introduction about Python

Topics:
- Python History
- Python versions
- Features
- Applications
- Uses
- Installation Process steps in windows
- Run hello world programming in IDLE and Command prompt
- Single and multiline comments

Module 3: Variables

Topics:
- Definition of variables
- Types of declarations
- Re-Declarations
- Rules of variable declarations
- Object reference
- Multi word declarations

Module 4: Operators

Topics:
- Definition of operators
- Arithmetic operators
- Comparison operators
- Logical operators
- Bitwise operators
- Membership operators
- Identity operators

Module 5: Data types

Topics:
- Definition
- Types of Datatypes
- Scalar datatypes like int, float, complex, bool, None type
- Sequence data types like str,list,tuples
- Mapping data types like dict
- Set datatype

Module 6: Conditional Statements

Topics:
- If statements
- If-else statements
- If-elif-else statements
- Nested statements

Module 7: Loops

Topics:
- For loop
- While Loop
- Nested Loops
- Loops with else
- Break, continue, pass statements

Module 8: Functions

Topics:
- Built in functions
- User define functions
- Types of arguments
- Local and global
- Difference between print and return

Module 9: Data Structures

Topics:
- String introductions along with methods
- List introduction along with methods
- Tuple introduction along with methods
- Dict introduction along with methods
- Sets introduction along with methods

Module 10: Files handling and Json

Topics:
- Files Definition
- File operators
- File modes
- File methods
- File read, write and append

Module 11: Exception handing

Topics:
- Errors
  - Logical, syntax, runtime errors
  - Exceptions
  - try-except, else, finally
  - Raise exception

Module 12: Modules

Topics:
- Pre define and user define
  - from, import and alias statements

Module 13: Pip

Topics:
- Pip introduction
  - Pip Installation
  - Some existing packages

Django

Introduction: Django is a web application framework written in Python programming language. Django is an open-source python web framework used for rapid development, pragmatic, maintainable, clean design, and secures websites. A web application framework is a toolkit of all components needed for application development. The main goal of the Django framework is to allow developers to focus on components of the application that are new instead of spending time on already developed components. It is fully featured than many other frameworks on the market. It takes care of a lot of hassle. involved in web development, enables users to focus on developing components needed for their application. By using Django, we can build web applications in very less time. Django is designed in such a manner that it handles much of configuring things automatically.

Module 1: Introduction to Python

Topics:
- Object-Oriented Programming (Classes, Objects)
- Constructors
- Inheritance
- Python Packages and modules using oop's.

Module 2: Django
- Introduction to Django
- MVC, MVT,Architecture of Django
- Django Installation

Module 3: Project Creation, APP creation and use of admin app

Module 4: URL mapping (creation), Dynamic URL mapping, views

Module 5: Interface between controller (urls.py & views.py) files

Module 6: Http Request and Responses

Module 7: Django Templates

Module 8: Providing an interface between controller and templates

Module 9: Static file handling

Module 10: Data rendering from HTML to views and then views to HTML with example.

Module 11: Model creation

Module 12: Migrations, ORM

Module 13: Model Queries (Django shell)

Module 14: Superuser Creation (admin part)

Module 15: Roles of the superuser.

Module 16: Crud operations, Messages generation

Module 17: Form Validations

Module 18: Database Connectivity and Database Migrations with MYSQL

Module 19: Mail Sending

Module 20: File Uploading

Module 21: User Registration & User Authentication

Module 22: Templates Blocks

Module 23: User Profile Creation

Module 12: Modules

Topics:
- Pre define and user define
- from, import and alias statements

Module 13: Pip

Topics:
- Pip introduction
- Pip Installation
- Some existing packages

SOFT SKILLS

Roots of Communication	LSRW	Mastering Helping Verb And Main Verb
	7 Cs of Communication	
Roots of Grammar	Parts of Speech	
	Sentence Structure Development	
	Tense Logic	
	Worksheet Sessions	
Speech Intelligence	Vocabulary Development	
	Usage of words	
	Group Discussions	
	JAMS	
	Debates	
	Public Speaking	
Personality Development	Imagination and Innovation Training	
	Centralized Brain Storming	
	Problem Solving Skill s	
	Decision Making	
Mangement Skills	Time Management	
	Team Building	
	Task Management	
	Leadership Skills	
Interview Skills	Employbility	
	Think like a Professional	
	Clearing HR Rounds	
	Salary Negotiation	
	Bond Negotiation	
Presentation Skills	Research Skills	Dream Company Reading Skillls Comprehension Skills
	Public Speaking	
	Visualization	
	White Board Presentation	
	Mastering Powerpoint	
	Content Creation	
Personality Development	Mind Mapping	
	Role plays	
	Mock Interview on the Hot Seat	
	Listening Skills	
	Critical Thinking	
	Thought Analysis	
	SWOT Analysis	

Our Corporate Training HUB

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- Real Time Support

Step-2

Step-3
- Career Acceleration
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- Employability Skills
- Communication Skills
- Job Readiness Skills
- Life Skills

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