



# PYTHON COURSE

## ONLINE TRAINING



# CAREER IN PYTHON



## Why Build Your Career in Python?



### **Demand for Python in Skyrocketing**

There is a growing need and massive demand for skilled data analysts who can analyse, interpret, and communicate data effectively.



### **Wide Range of Job Roles**

By learning Python, you can get a wide range of job opportunities, like Data Analyst, Business Analyst, Data Engineer, Big Data Analyst, and more.



### **High Salary Packages & Lucrative Career**

The average salary of a data analyst in India is INR 6 LPA, which can go beyond INR 15 LPA with relevant experience and the right set of skills.



### **Impactful Career**

Python enables professionals to analyse complex data and provide insights that drive business decisions, improve products and services, and create positive change.



### **Fastest-Growing and Emerging Field**

Python is among the fastest-growing fields. It has cropped up the market too quickly and dramatically increased the demand for skilled professionals.



### **Flexibility**

Python jobs offer flexibility in terms of work hours, remote work, and project-based work, providing professionals with greater control over their work-life balance.

# Who Can **Python Programming**?

Learning Python becomes easier for you with proper guidance & advanced practical projects by WsCube Tech's expert trainers. You can acquire this skill if you are:



## **College Student**

Start shaping your career right from college time by learning in-demand Python skills.



## **Graduate**

Time for you to upskill, prepare yourself for a bright future, and kickstart a thriving career in data analysis.



## **Business Professionals**

Executives, managers, and other business professionals who need to make data-driven decisions.



## **IT Professionals**

Developers, database administrators, and other IT professionals who need to work with data.



## **Marketing Professionals**

Marketing analysts, digital marketers, and other marketing professionals who need to measure the effectiveness of their campaigns.



## **Financial Professionals**

Financial analysts, accountants, and other financial professionals who need to analyse financial data.



## **Anyone Interested in Working With Data**

Anyone interested in data and who wants to learn how to analyse it can benefit from learning Python.

# A Brief About WsCube Tech

India's Most Trusted IT Training Institute

WsCube Tech is a leading IT training institute and software development company based in Jodhpur. Since 2011, WsCube Tech has trained **1,50,000+ students** and offered internship opportunities to 3,500+ candidates.

In addition, WsCube Tech is one of the fastest-growing tech-based YouTube channels in India, with a community of **2+ Million** subscribers and **15+ Million** monthly views.

With an expert team of trainers in various technological fields, the institute has helped thousands of students across India and other Asian countries to acquire new skills and explore high-paying career opportunities.

Our learners are working at top brands, enterprises, and unicorns across India and globally.



# Our *Flourishing Journey* Over The Last Decade

Start

**Kushagra Bhatia**, a visionary entrepreneur, laid the foundation of WsCube Tech in Jodhpur as a Web Development Company.

The institute witnessed great success which made us introduce **Advanced PHP Course and Android App Development Course**.

There was high demand for more courses. That's when we Introduced **Training in C, C++, and Java**, for both college and school students.

**Won training assignment from ISRO** and offered Web & Mobile Technology training. Started Java Training. Reached milestone of 5,000+ students.

2010

Worked on **200+ Website Projects**. Expanded to include training division Introduced Class room based PHP & ASP.NET courses for college students.

2011

2012

Expanded the service portfolio with Android/iOS app development, WordPress, and SEO. Launched **Classroom Training** on iOS Development, WordPress, and SEO.

2013

2014

By now, we had worked on **8K+ Projects** & trained **3K+ Students**.

2015

Introduced **Digital Marketing** and **CakePHP courses**.

2016

Created a YouTube channel to offer free tutorials.

Introduced professional courses on **Robotics, PLC-SCADA, and Advanced Python**. 2,000+ students and working professionals enrolled in these courses.

During the pandemic, introduced **LIVE classes** for most courses. Doubled the frequency of videos published on YouTube. Surpassed 100K+ Subscribers.

Hit the milestone of 1 Million subscribers on YouTube. More than 110 batches (online + classroom) run per month now, with over 45 courses. Launched Data Science Course.

2017

2018

2019

2020

2021

2022

Adopted robust web frameworks like NodeJS, AngularJS, & Laravel for projects. Started **Python and Machine Learning Courses** and trained 2,000+ students.

Crossed **50K+ YouTube Subscribers**.

Started providing pre-recorded online courses. New courses were also launched for various programming languages.

Introduced **Ethical Hacking & Penetration Testing courses** (both online and offline). Published 1750+ tutorials on YouTube and crossed 500K subscribers.

***There is no looking back!***



**2+ Million**  
Subscribers



**1:1 Personalized**  
Mentorship

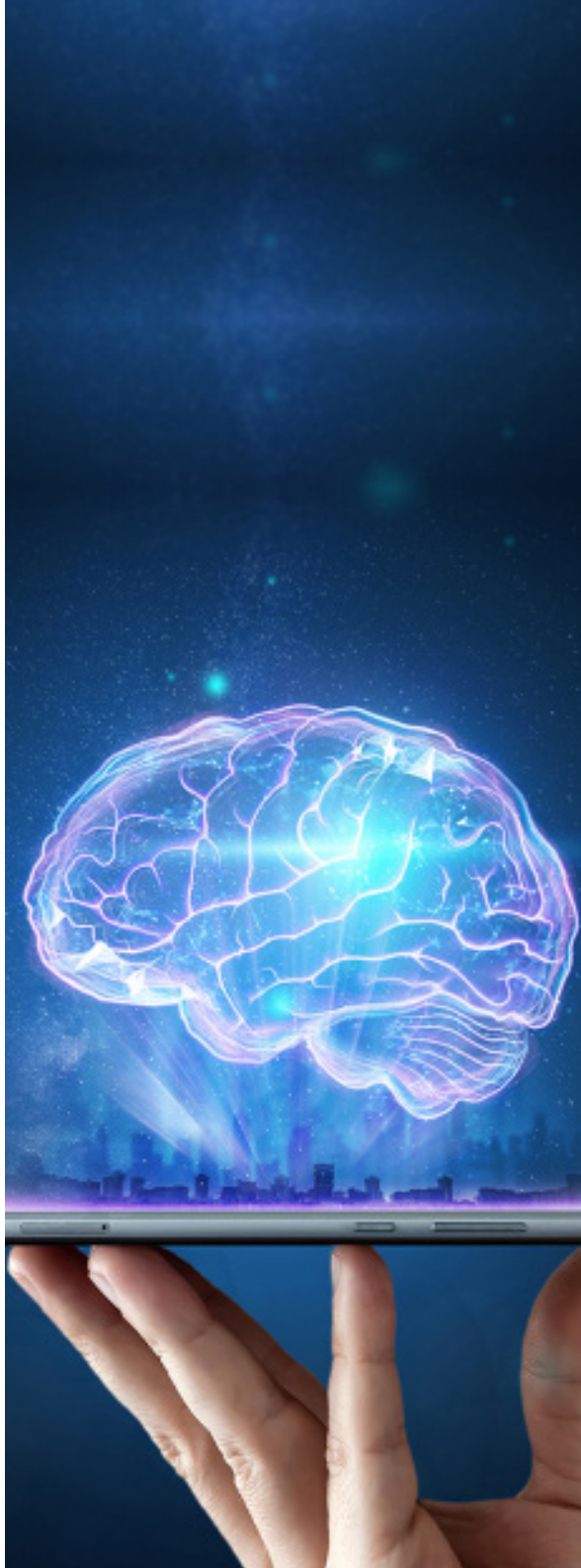


**3500+ Internship**  
Candidates

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WHY LEARN  
**PYTHON**  
WITH  
**WsCube Tech**  
Only?

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## Trusted by **2+ Million** Learners

We are the #1 preference of more than 20 lakh learners in India and Asian countries. Our training quality and support system intrigue learners.



## Placement **Assistance**

We provide job assistance to help you get hired faster. We work with you to find the right job opportunities based on your skills & preferences.



## Completely **Practical-Oriented**

Python is a skill that requires immense practice. For that, we offer 100% practical training with regular assignments, assessments, and projects.



## Hands-on **20+ Projects**

You will work on 20+ real-world projects that are relevant to the industry. This practical training helps you prepare for real-life scenarios and gain exposure.



## **Python** Certification

We provide you with an industry-recognized certificate. It adds value to your resume and enhances your credibility, making you stand out from the crowd.



## **Dedicated Doubt** Sessions

We understand that every student has unique learning needs. That's why we offer dedicated sessions to clear your doubts, ask queries and get answers.



## Interactive Live **Training**

We conduct live training where you interact with experts in real-time and learn from their expertise. Our approach ensures that you get the best learning experience.



## Expert **Trainers**

Our trainers have years of experience in the field and are committed to helping you achieve your career goals. We mentor you throughout the course.





**Dear Learner,**

We know that we are influencing the foundations of your future, and we take this responsibility very seriously. With WsCube Tech, I ensure that you always get top-class training backed by practical projects and future prospects.

As the proud founder of WsCube Tech, I wish you a successful & thriving career.

**All the best!**

A handwritten signature in white ink, which appears to read 'Kushagra'.

Kushagra Bhatia  
**Founder, WsCube Tech**



# PYTHON

## COURSE SYLLABUS

Based on Latest Industry Standards

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# Course Curriculum

## Basics

### Python Introduction

- What is programming language
- Python interpreter
- Python version
- Python language advantages
- Usage of Python in different domain
- Installation of Anaconda
- Different ways to run Python Code
- Write First Program
- Multiline Print Statement and Comments in python

### Variables and Data types and Operators

- Introduction to Variable
- Datatypes
- User-Input
- and Operators in Python

### Control Statements

- Conditional statement and Types

### Introduction to Loops

- Types of Loops
- For Loops
- While Loops
- loops with conditional statement
- Infinite Loop, Nested Loops
- Break and Continue Statement

## Stringst

- Introduction
- Indexing
- Slicing and Iteration

## Python List

- Introduction
- Teration
- Slicing
- List Functions

## Set

- Introduction
- Iterations
- Set Methods

## Tuples

- Introduction
- Iterations
- Function
- Making tuples Multables

## Dictionary

- Creation of Dictionaries
- Iterations
- Dictionary Functions and Nested Dictionaries

## Functions

- Introduction
- Types
- Parameters
- Arguments
- Args,
- Kwags
- Recursion

## MINI Projects along with classes

- 3- Projects

# Course Curriculum

## Python Advance-1

### OOPs – Object Oriented Programming

- What Is OOP?
- Creating Our Own Objects
- Attributes and Methods
- `__init__`
- Encapsulation
- Abstraction
- Private vs Public Variables
- Inheritance
- Polymorphism
- `super()`

### Advance Python Programming

- Introduction to Functional programming
- Pure Function
- `map()`
- `filter()`
- `zip()`
- `reduce()`
- Lambda expression
- List Comprehension
- Set Dictionary comprehension

### Generators– Python

- Generators
- Generators performance

### Decorators in python

- High Order Function
- Inner Functions
- Closure
- Decorators with Different Signatures (\*args, \*\*kwargs)

## Exception Handling & file handling

- Try
- Except
- Finally and Else
- Read
- Write and Append Files

## Modules & Packages

- Introduction to Modules and Packages
- In-built Modules – Math
- Random
- Datetime
- Time
- User Defined Modules
- Project-4

## Python Regex

- Introduction to Python regular expression
- Regular expression exercises
- Password validation etc. Project-5

## Working with CSV Files in Python

- Introduction to CSV
- Reading CSV files
- Writing CSV files

## Working with Excel Files in Python

- Excel basic
- Reading Excel Files
- Reading data in Cell Range
- Writing Excel files
- Creating a new Excel File
- Using Excel formula
- Sheet Formulas

# Course Curriculum

## Pickle Library in Python

- Pickle Loads and Dumps Method and a Mini- project-6

## DSA

- Heaps
- Queues
- Stacks
- Linked Lists
- Sorting Techniques

## Python Advance-2

### MultiThreading and Multi-Processing

- Python Parallel Processing Theory
- Multiprocessing vs. Multithreading
- Multithreading and Multiprocessing: Pros and Cons
- Implementing Multiprocessing in Python
- Implementing Multithreading in Python
- Sharing Data Between Processes using Value
- Sharing Data Between Processes using Array
- Implementing Multiprocessing Locks

## DataBase - MySQL

- Introduction
- Installation
- Datatypes in MySQL
- Creation on a Database
- Tables
- Insert query
- Select Query
- Delete query
- Update query
- Joins in Database
- Functions in Database
- Project-7

## Data Analysis with Pandas

- Intro to Jupyter Notebook
- Installing Jupyter Notebook
- How to use Jupyter Notebook
- Intro to Pandas. Installing Pandas
- Pandas Series
- Coding - Pandas Series
- DataFrames I. Working with Columns
- Pandas DataFrames -Working with Rows and Columns
- Pandas DataFrames - Filtering Data
- Coding - Filtering Data
- Reading and Analyzing CSV Files with Pandas
- Coding - Reading and Analyzing CSV Files
- Reading Excel Files. GroupBy and Other Useful Operations
- Pandas Practice



# Course Curriculum

## NumPy

- Introduction to NumPy
- 1-D Array
- 2-D Array
- Indexing
- Slicing
- Concatinating
- Broadcasting
- Statistical functions
- Arithmetic functions

## Data Visualization Using Matplotlib

- Intro to Python Visualization Libraries
- Installing Plotly
- Creating Scatter Plots
- Creating Line Charts
- Line Charts
- Creating Basic Bar Charts
- Creating Grouped and Stacked Bar Charts
- Creating Pie Charts
- Pie Charts
- Creating Histograms

## Web-Scraping Using Python

- Intro to Web Scraping using Requests and BeautifulSoup
- Setup the Environment. Installing Requests and BeautifulSoup
- Diving into Requests HTTP Library
- Coding - Requests Library
- Diving into BeautifulSoup Library

- Coding - BeautifulSoup Library
- Project: Real-World Web Scraping (Requests, BeautifulSoup and OpenPyXL)
- Project-8

## Tkinter- Python

- Introduction to Tkinter
- Creation of window
- Labels and Buttons
- Creations of entries
- Get and set data
- Top-Level
- Radio-Buttons and Check Boxes
- Gui Calculator
- Project-9 Database and Tkinter

## Automation Using Selenium

- Introduction and setup of Web Driver
- Automating a website
- Project-10



# Job/Placement Assistance

Once you complete the Python Course, you will get placement assistance to get job-ready. We will evaluate your skills, prepare you for the interview, and arrange interviews with top companies.

- **Interview Preparation and Practice**
- **Appealing Resume Building**
- **Conducting Interviews at Various Companies**
- **Projects, Assignments, and Quizzes**

Students We've Trained Work at Renowned Companies, Startups, and Brands



# Our Students Speak for Us!

"Highly satisfied with what I have learned. The course content, way of training, examples, assignments, projects, everything is perfect. I was also assisted in finding internships and job opportunities. Thanks a lot."

**Anil Choudhary**

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"The Python course by WsCube Tech is an excellent fit for both beginners & experienced. I didn't have knowledge of programming or coding. But everything is covered from scratch, which made learning very easy for me"

**Sadam Hussain**

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"I am a web developer having 2 years of experience. But I had to take my career forward. That is when I enrolled in this course. I must say this was the right step taken by me. I have learned and practiced all the Python concepts."

**Neha Sabharwa**

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"The Python trainer here is an expert. It is an exceptional course with a variety of live projects and assignments. After every module, we were guided properly to try our hands on the projects. This was the most important part of the entire training for me."

**Chitransh Mishra**

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"After graduation this year, I enrolled in Python course. I got to learn advanced concepts. After course, we were prepared for interview. Last week, I got my first job as a Python developer in an IT company in Noida at a good package. Thank you, WsCube Tech!"

**Ulhas Krishna**

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# Industry-Recognized Certification

Become a Certified Python!



**Live Online and  
Classroom Training**



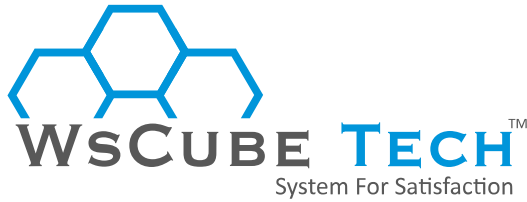
**Job Assistance  
for Faster Hiring**



**Internships  
for Experience**

# Culture & Activities at WsCube Tech





# Take Your Career's Most Important Step Today

Towards Building a Thriving Career in Python!


■ **Course Duration:** 70 Days

■ **Fees:** Call us for fee details as we offer varied discounts

**Call Now to Book 2-Days of FREE Demo Classes: +91 7878985501**


## Contacts Us:

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