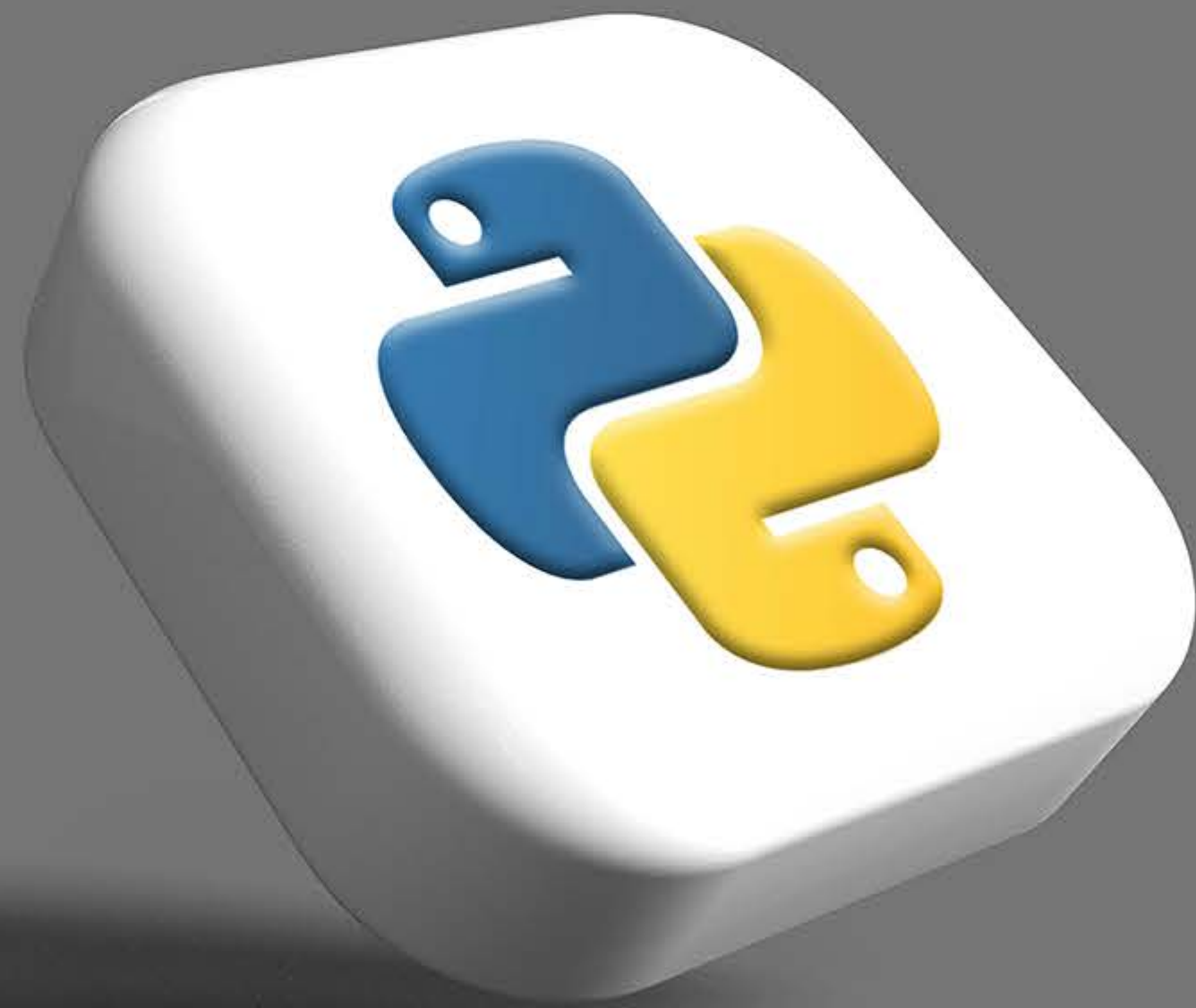


Full Stack Python - Professional Program

 Duration: 3 to 6 Months

Innovate
Accelerate
Repeat.





Full Stack Python – Professional Program

 **Duration: 3 to 6 Months**

Technologies Covered: HTML, CSS, JavaScript, Bootstrap, Python, Tkinter, Turtle, Django, MySQL, NumPy, Pandas and Matplotlib

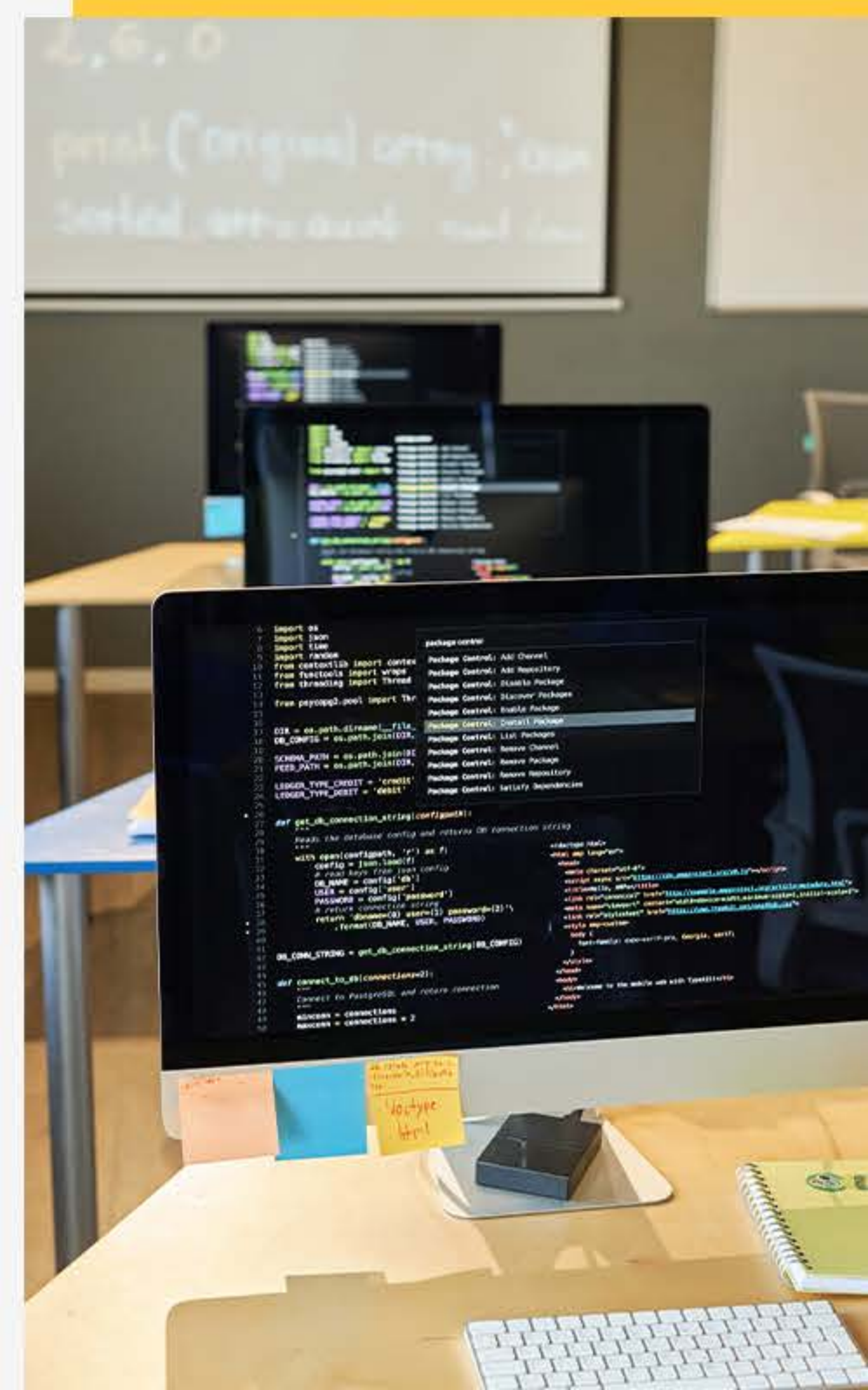
Course Modules

Web Development Foundations

- > HTML5 Structure, Forms and Media Embedding
- > CSS3 Styling with Flexbox and Grid
- > Responsive Layouts using Bootstrap Framework

JavaScript Essentials

- > Variables, Loops, Functions and Arrays
- > DOM Manipulation and Events
- > Form Validation and Dynamic Content



Python Programming Basics

- > Data types, Loops and Control Structures
- > File Handling and Exception Management
- > OOP with Classes and Inheritance

GUI Programming with Tkinter and Turtle

- > GUI layout with Labels, Buttons and Forms
- > Tkinter apps like Login and Calculator
- > Basic Animations with Turtle Graphics

Backend Development with Django

- > Django app Setup and Project Structure
- > Models, Views, Templates and Forms
- > User Login, Signup and Media Handling

Database Integration with MySQL

- > Creating Tables and SQL Queries
- > Django ORM for Data Handling
- > Relational Data (one-to-many, many-to-many)

Fullstack Integration and Web App Development

- > Connect Frontend with Django Backend
- > Form Processing and Error Handling
- > Build and Manage Full-Featured Apps

Python for Data Handling

- > Data Operations with NumPy and Pandas
- > Visualizations using Matplotlib
- > Simple charts, Stats, and Data Displays

Major Projects:

- > Student Management System
- > Mini eCommerce App
- > Class/Event Booking Platform
- > Blog Management System
- > Task Management App
- > Personal Portfolio Website

Outcomes:

- > Build Fullstack Websites and Desktop Apps
- > Gain hands-on Coding and Project Experience
- > Job-ready Portfolio for Internships and Careers



Get in touch with us now

Whether you are ready to apply or just want to learn more, we are happy to connect with you.

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