



PYTHON TRAINING

Python Desktop Application Development Course

Master Python to develop robust, interactive desktop applications. Build powerful GUIs and deploy your own software.

DURATION

2 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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COURSE OVERVIEW

Unlock the power of Python to create intuitive and interactive desktop applications with Computer Pride's Intermediate Python Desktop Application Development Course. This intensive 2-hour program is designed for Python enthusiasts who wish to extend their programming skills beyond scripts and web applications into the realm of standalone graphical user interfaces (GUIs). You'll delve into popular Python GUI frameworks, learning to design, build, and deploy robust desktop applications that can run independently on various operating systems.

Throughout this course, you will gain hands-on experience with core GUI components, event handling, and layout management, primarily focusing on practical application development. By the end, you'll be equipped with the foundational knowledge and practical skills to conceptualize and build your own desktop tools, enhancing your problem-solving capabilities and significantly boosting your professional portfolio in the software development landscape.

Duration	2 hours
Level	Intermediate
Vendor	Python

COURSE CURRICULUM

01 Module 1: Introduction to Python GUI Development

- What is a GUI and why use Python for desktop apps?
- Overview of Python GUI frameworks: Tkinter, PyQt, Kivy (brief comparison)
- Setting up your development environment for GUI programming
- Understanding the event-driven programming paradigm

02 Module 2: Building User Interfaces with Tkinter

- Core Tkinter widgets: Label, Button, Entry, Text, Checkbutton, Radiobutton
- Layout managers: pack(), grid(), place() for responsive designs
- Handling user interactions: Event binding and callback functions
- Creating basic input forms and displaying dynamic output

03 Module 3: Advanced Tkinter Features & Application Logic

- Working with frames and organizing complex UIs
- Implementing file dialogs for opening and saving files
- Integrating basic data persistence (e.g., saving settings)
- Developing a simple functional desktop utility application (e.g., a basic calculator or to-do list)

04 Module 4: Packaging and Distribution Basics

- Introduction to packaging Python applications
- Overview of tools like PyInstaller for creating standalone executables
- Basic steps for distributing your desktop application

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Junior Desktop Application Developer**
- > **Python Software Engineer (focusing on client-side tools)**
- > **Automation & Tooling Specialist**

FREQUENTLY ASKED QUESTIONS

Q: What kind of desktop applications will I be able to build after completing this 2-hour course?

Upon successful completion of this course, you will have the foundational skills to develop simple, functional desktop utility applications. This includes tools like basic calculators, to-do list managers, simple data entry forms, or small file manipulation utilities. The course provides the building blocks for more complex projects you can pursue independently.

Q: Are there any prerequisites beyond basic Python knowledge for this Intermediate level course?

Yes, while a solid understanding of Python fundamentals (variables, data types, control flow, functions, basic object-oriented concepts) is essential, no prior experience with GUI development or specific Python GUI libraries is required. We will introduce GUI concepts from the ground up, focusing on practical application.

Q: Which specific GUI framework will be the primary focus for hands-on exercises in this course?

Given the 2-hour duration and intermediate level, this course will primarily focus on Tkinter for hands-on exercises and practical application development. Tkinter is Python's standard GUI library, making it an excellent starting point for understanding core GUI concepts and building robust desktop tools.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

Years of Excellence

10,000+

Professionals Trained

50+

Vendor Certifications

READY TO ENROL?

Take the next step in your technology career.

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