

NexusHive

KEEP LEARNING, KEEP BUZZING



Essential Data Concepts in Python

**Course Name: Python Basics for Data
Enthusiasts; Course Overview**



www.nexushive.ai

1. Python Introduction – Course Overview

Why Python for Data Science?

- ❑ One of the **most preferred languages** for data science
- ❑ **Simple syntax**, powerful capabilities
- ❑ Extensive ecosystem of **libraries and tools** for data analysis, visualization, and machine learning



What You'll Learn in This Course

You'll build a strong foundation in Python essentials for data science:

- **Core Python concepts**
- **Data types, variables, and expressions**
- **Operators and identifiers**
- **Built-in data structures**
- **Intro to Jupyter Notebook**

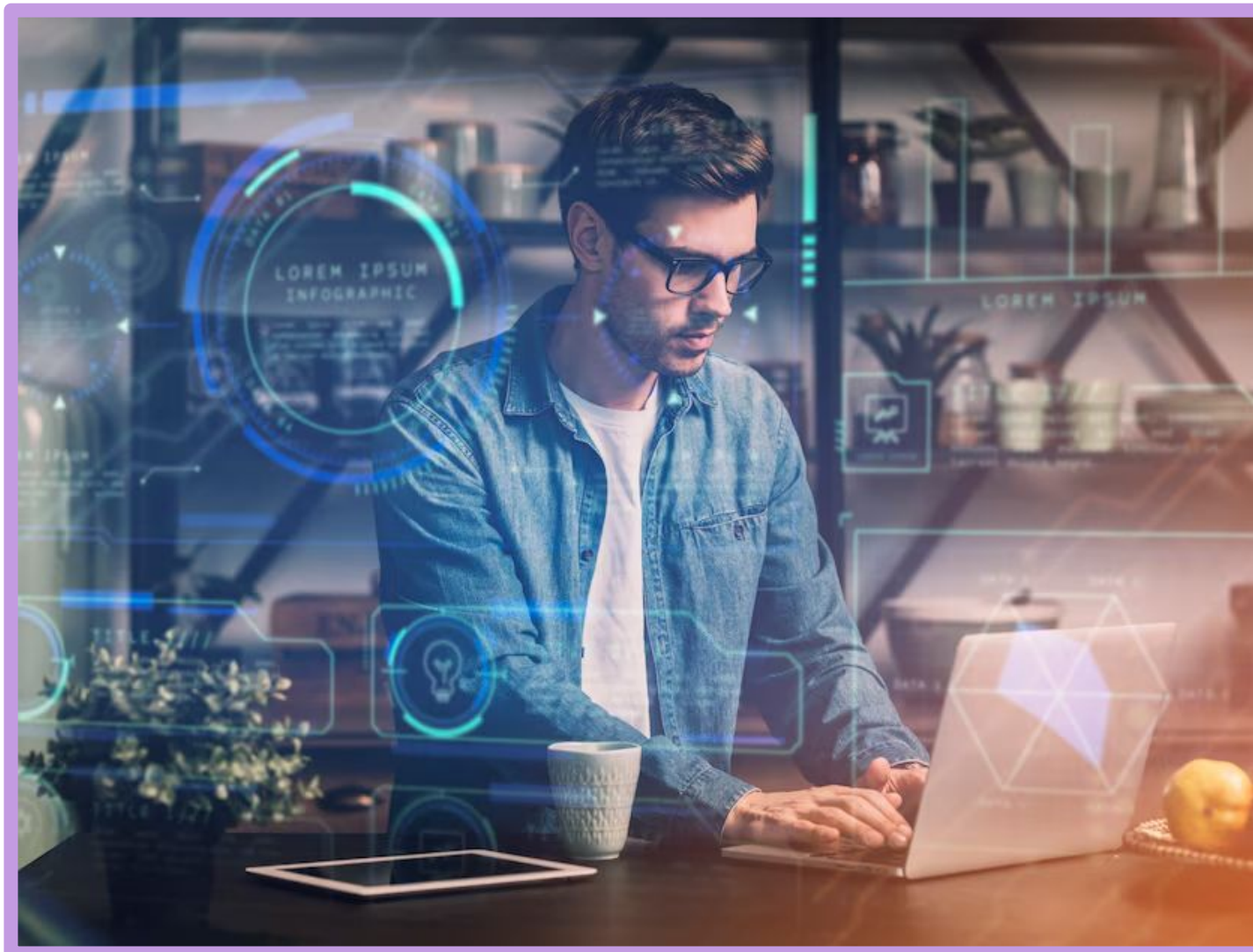
What You'll Gain

By the end of this course, you will:

- **Understand key Python concepts**
- **Develop practical skills to apply Python in data science**
- **Be ready to explore advanced topics like data analysis, visualization, and ML**

Who This Course Is For

- **Beginners to Python**
- **Aspiring data analysts & data scientists**
- **Professionals exploring automation & analytics**



What's Next?

This is just the first step in your journey.

Continue learning with the complete Python Data Essentials path, where we dive deeper into:

- **Data Wrangling**
- **Pandas & NumPy**
- **Data Visualization**
- **Machine Learning Foundations**

Let's Get Started!

Let's build a solid Python foundation.

**Ready to explore the language that powers
data science?**

Let's dive in!