

STREAMWAY TECHNOLOGIES PVT LTD

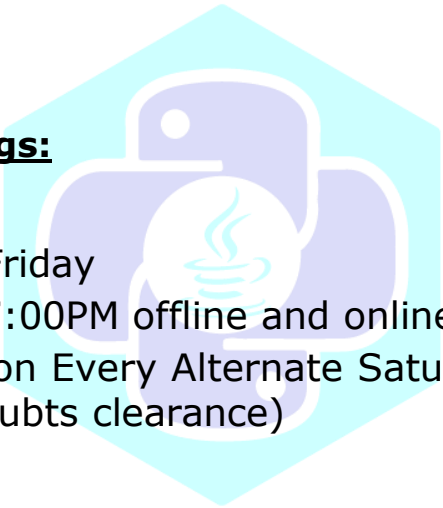
Ignite your intelligence

Key Takeaways:

- Logical Thinking
- Problem Solving Skills
- GitHub Portfolio
- Mock Interviews – With Working Professionals
- Resume Preparation – Recruiters and Hiring Managers
- Free workshops– How to prepare AI Readiness, Industry Exposure, Career Guidance
- Impact of AI on developers and how to work with AI and build the portfolio

Durations and Timings:

- Monday to Friday
- 5:00PM to 7:00PM offline and online
- Workshops on Every Alternate Saturday (Projects building, Doubts clearance)



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Programming with Python

Module 1:

What is programming?

How does programs execute?

Types of languages (Machine code, Low Level and High-Level languages)

Why we need to learn Python?

Python Features & History

Python Installation & Components

Introduction to command prompt

Identifiers

Variables

Keywords

Data Types (int, float, str)

Operators

Conditions (if, if else, if elif else)

Common functions (print(), help(), dir(), len(), inout(), type(), id())

Program execution flow (Python interpreter & PVM)

Looping Statements (for, while)

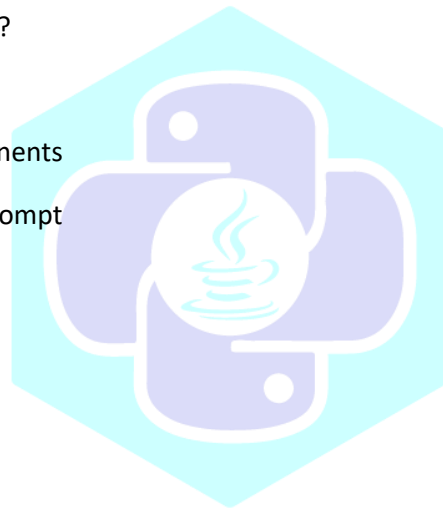
Control Flow Statements (break, pass, continue)

Type Casting

Python Objects (Why everything is object in python)

Lists

Tuples



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Dict(Dictionary)

Set

Functions

Modules

Packages

Module2:

Anonymous Functions, Higher Order Functions, Closures.

File Management (csv, excel, text files, binary files)

Context Managers

Os, sys, pathlib, datetime, dateutil, shutil, random,

Decorators

Generators

Logging

Exception Handling

Database Connectivity (Sqlite, MySQL)

Module3:

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Object Oriented Programming (Classes, objects, inheritance, Polymorphism, Abstraction, Encapsulation)

Multi-threading

Asynchronous Programming

Collections, Requests, sockets

json

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