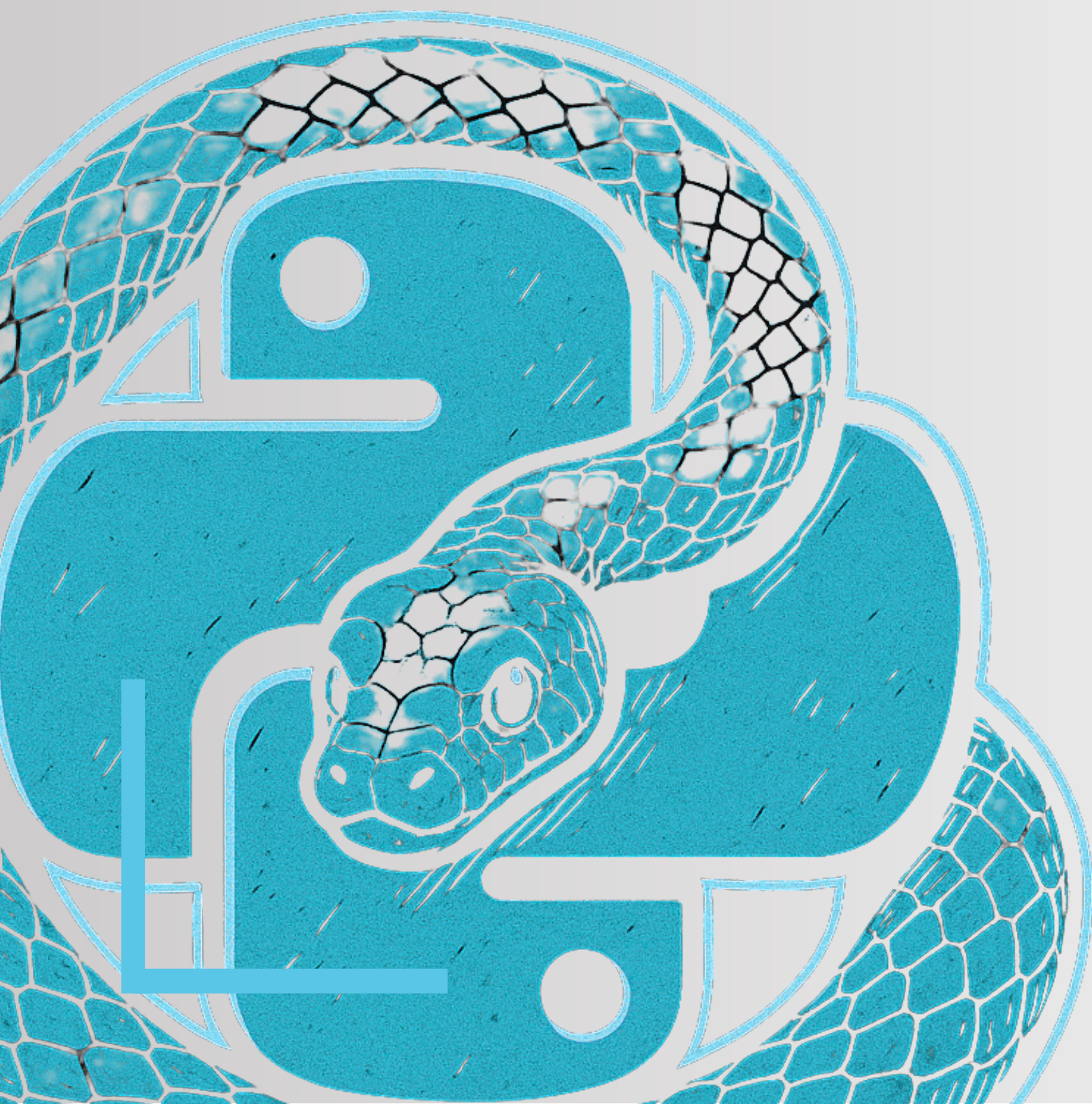


**Diploma in**  
**FULL STACK PYTHON**  
**& REACT JS**

**4 MONTHS**

**Build Applications that Power the Digital World**



WHY

# FULL STACK DEVELOPERS ARE IN DEMAND

## Code. Create. Connect

- Python's server-side power + React's client-side magic.
- Industry demands developers who can build end-to-end solutions.
- Learn to create scalable, secure, and responsive applications



# YOUR FULL STACK

## MASTER PLAN

### The Journey from Basics to Advanced

**Core Python**

**OOP & Advanced  
Concepts**

**Databases**

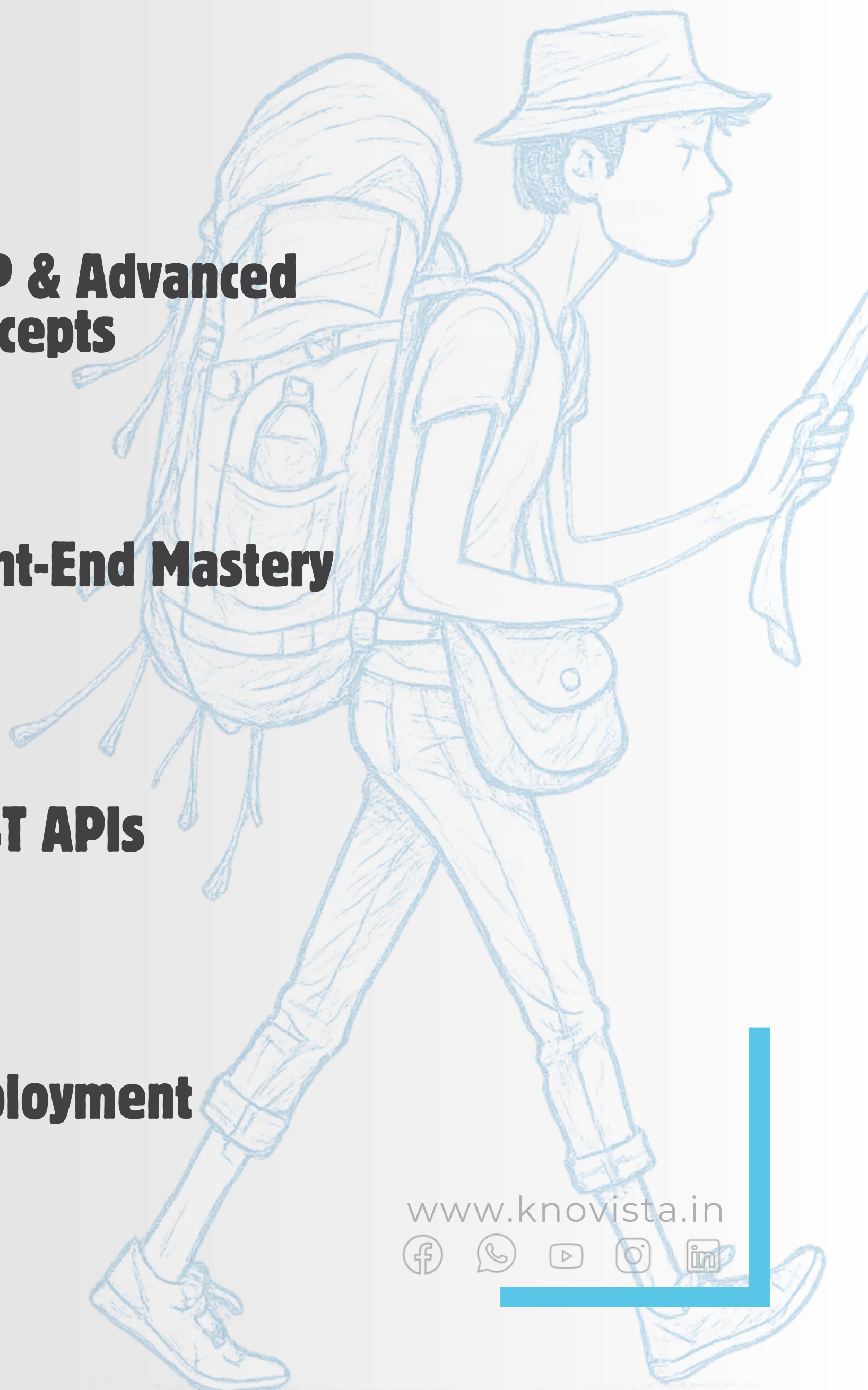
**Front-End Mastery**

**Django +  
Flask**

**REST APIs**

**React JS**

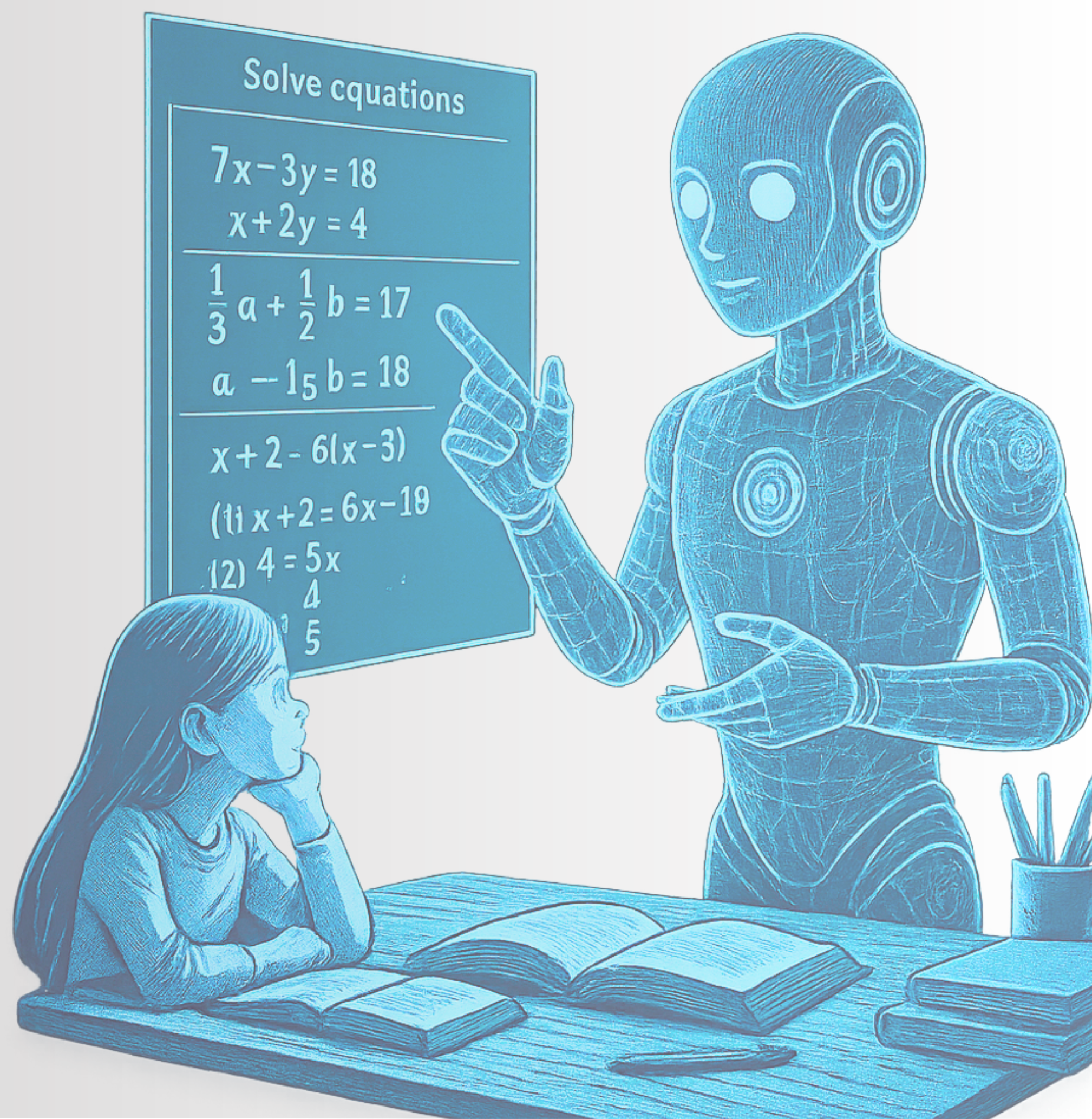
**Deployment**



# WHO SHOULD ENROLL?

## Designed For

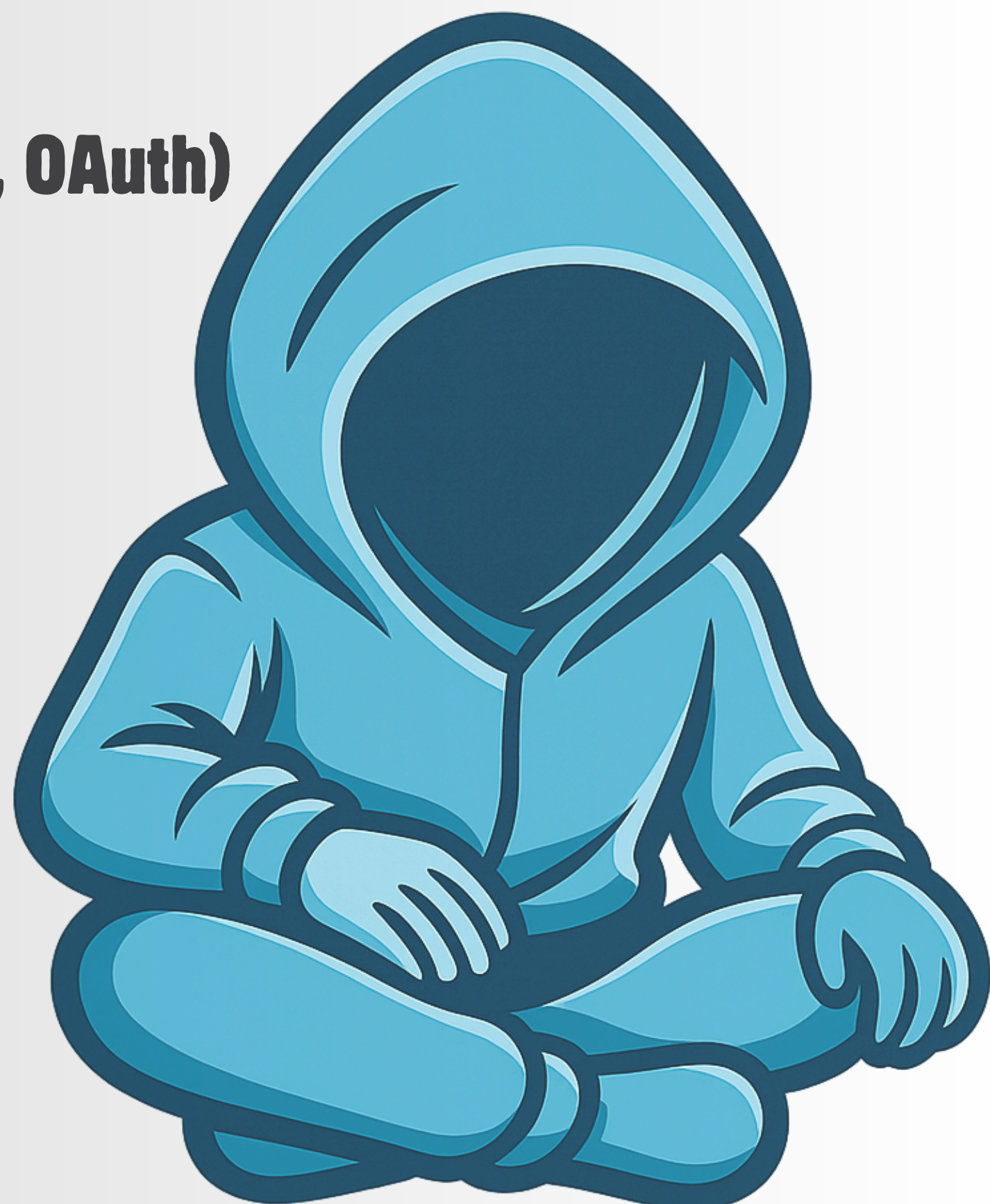
- **Beginners entering software development**
- **Backend Developers upgrading to Full Stack**
- **Frontend Developers mastering Backend**
- **Entrepreneurs building MVPs**
- **Software Engineers upskilling in modern stacks**



# SKILLS YOU WILL BUILD

## Full Stack Excellence

- **Backend Programming (Python, Django, Flask)**
- **Frontend Development (HTML, CSS, JavaScript, React JS)**
- **Database Management (MySQL, PostgreSQL)**
- **API Development (REST API, Postman Testing)**
- **Authentication Systems (JWT, OAuth)**
- **Deployment and Hosting (Git, PythonAnywhere)**



# YOUR MODULE-BY-MODULE

## GROWTH

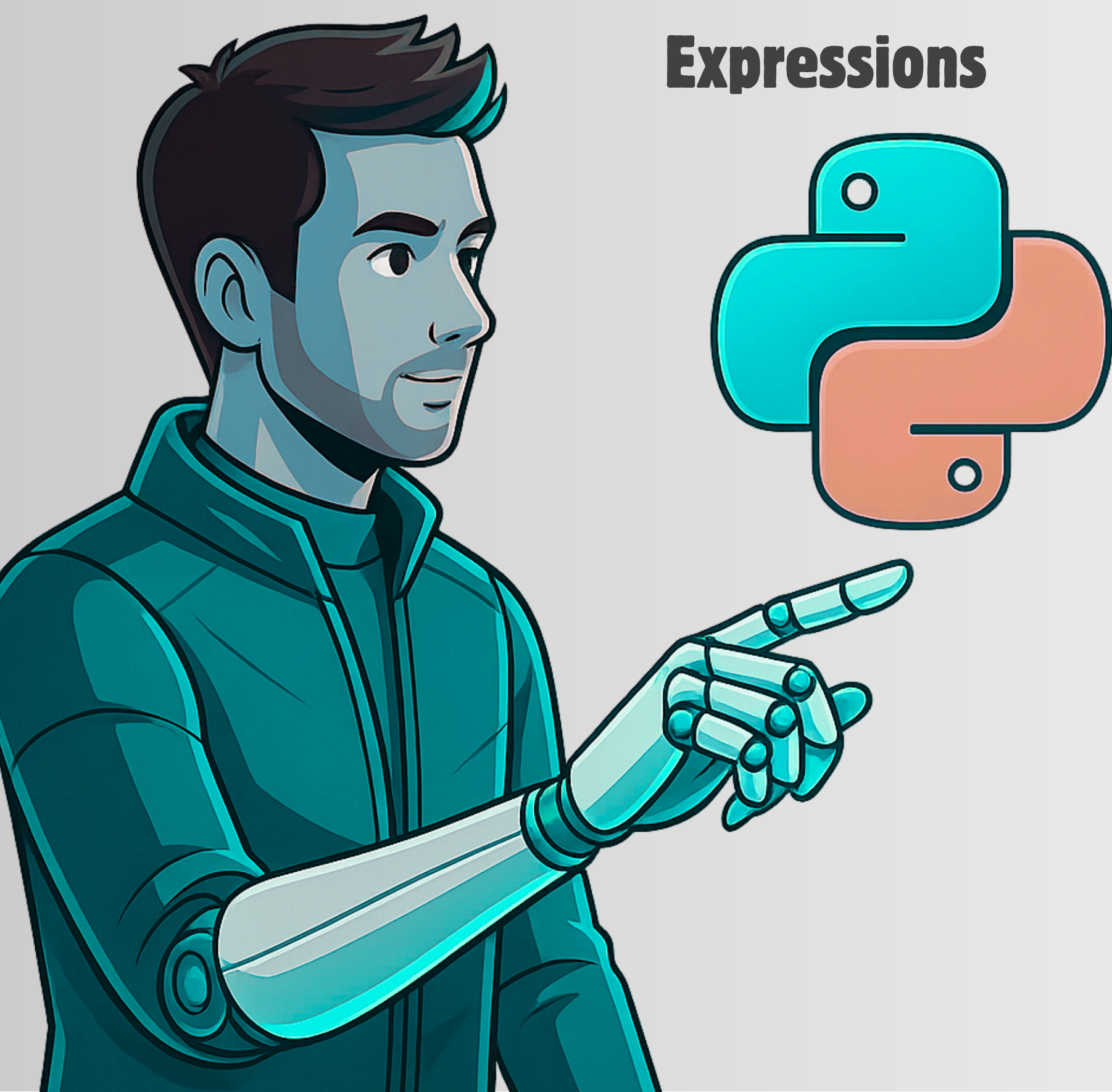
### 1. Core Python Programming

- **Python Basics**
- **Data Structures: Lists, Tuples, Sets, Dictionaries**
- **Functions, Loops, Conditional Programming**
- **Hands-on Tasks after every concept**



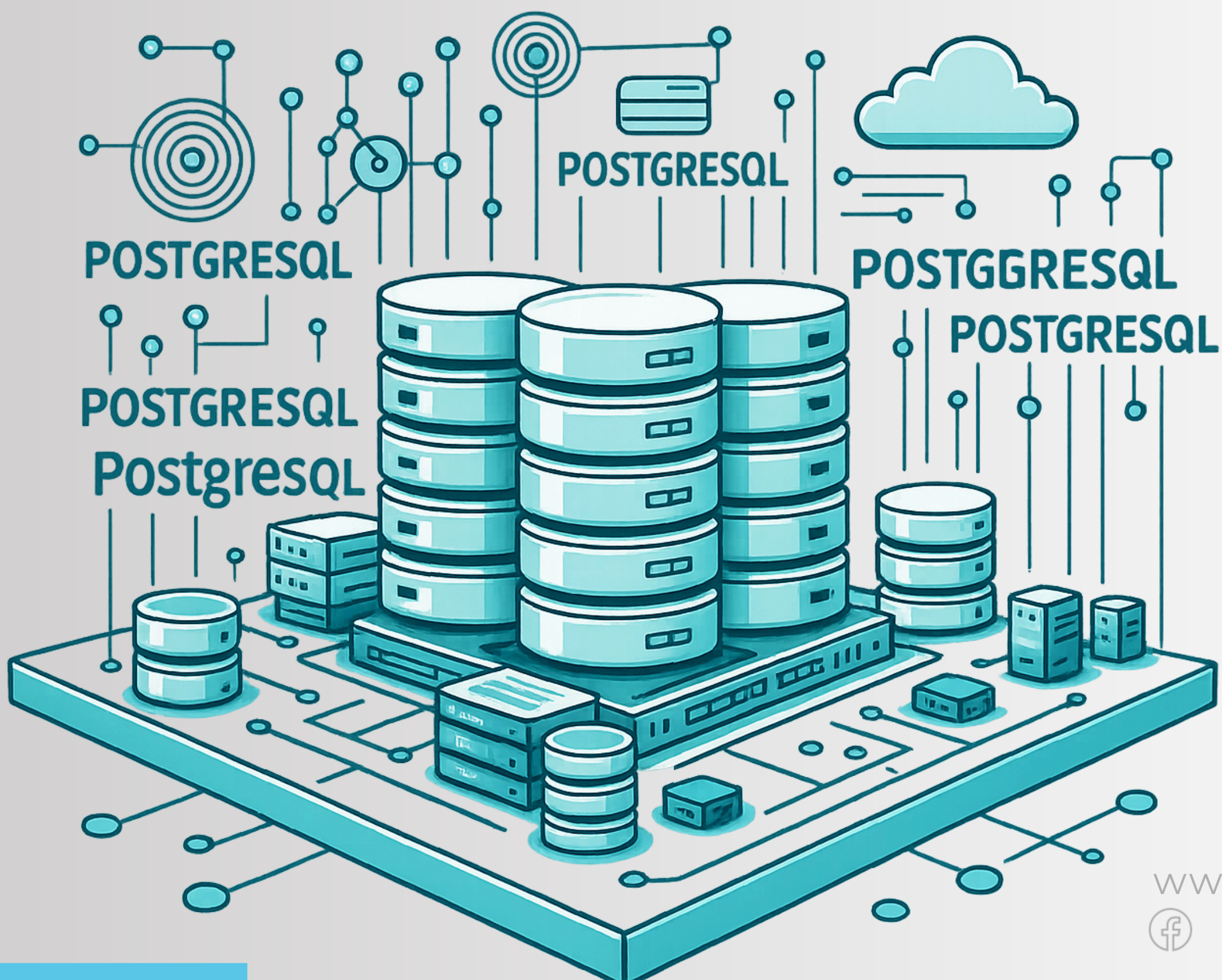
# 2. ADVANCED PYTHON: OOP, FILE HANDLING & GUI

- **Object-Oriented Programming:  
Classes, Inheritance, Polymorphism**
- **File Operations**
- **GUI Development with Tkinter**
- **Error Handling and Regular  
Expressions**



# 3. DATABASES: MYSQL & POSTGRES

- **Database Concepts (SQL Basics)**
- **CRUD Operations**
- **Joins, Aggregates, Triggers**
- **Connecting Databases with Python  
(PyMySQL, psycopg2)**



# 4. FRONT-END DEVELOPMENT

## ESSENTIALS

- **HTML5 + CSS3: Structures and Styling**
- **JavaScript: DOM Manipulation, Events, Validations**
- **Responsive Design with Bootstrap**
- **Practical Assignments on Real Frontend Pages**



# 5. DJANGO WEB FRAMEWORK

- **Django MVC Architecture**
- **ORM, Models, Migrations**
- **Authentication Systems**
- **Django Forms, Sessions, Static Files**
- **Build a Shopping Cart App**



# 6. REST API DEVELOPMENT

- **Django REST Framework**
- **API Design: CRUD Operations**
- **API Testing with Postman**
- **Authentication with Token and JWT**
- **Integrate Payment Gateways (Stripe)**



# 7. REACT JS DEVELOPMENT

- **React Components: Functional and Class-based**
- **State Management with Hooks**
- **React Router for Navigation**
- **Connecting React Frontend with Django/Flask Backend**
- **Authentication Integration**



# 8 . FLASK FRAMEWORK

## ESSENTIALS

- **Lightweight Python Backend**
- **Routes, Views, Templates**
- **Forms & User Input Handling**
- **Building CRUD Apps in Flask**



# SITE HOSTING,

# DEPLOYMENT & DEVOPS

# BASICS

- **Git & GitHub Repository Management**
- **Hosting Web Apps on PythonAnywhere**
- **Deploying Full Stack Projects**
- **Continuous Deployment Overview**



# CAPSTONE PROJECTS

## Build Your Portfolio

- **Full Stack E-commerce Web Application**
- **Blog Management System with Django + React**
- **API-Driven Task Manager App**
- **Portfolio Website Hosting on PythonAnywhere**



# TOOLS AND TECHNOLOGIES

## YOU WILL MASTER

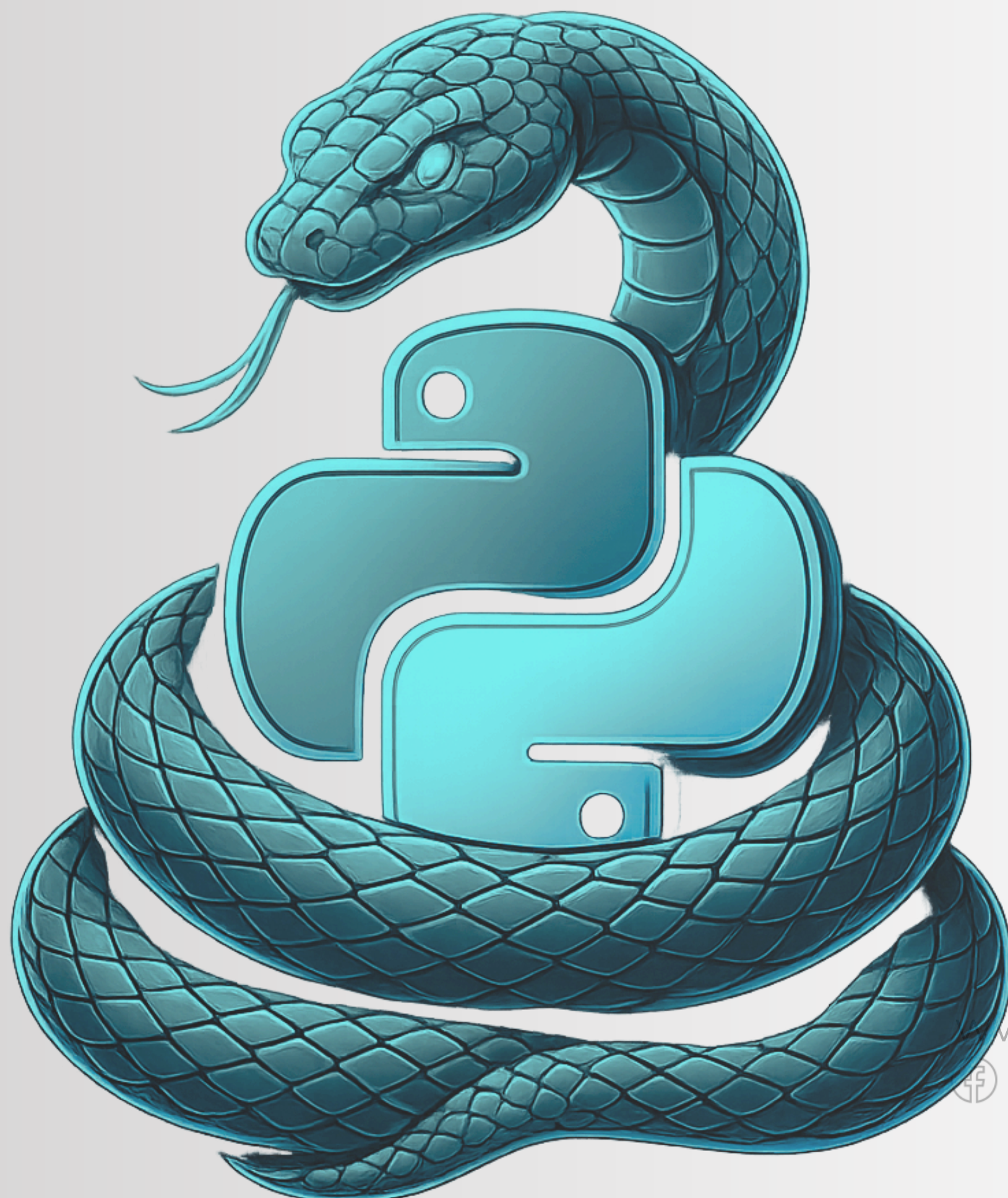
- **Python, Django, Flask**
- **HTML5, CSS3, Bootstrap**
- **JavaScript, React JS**
- **MySQL, PostgreSQL**
- **Git, GitHub, Postman**
- **PythonAnywhere Hosting**



# CERTIFICATION & CAREER

## BOOST

- **Diploma in Full Stack Development**
- **Project Completion Badges**
- **GitHub Portfolio Completion**
- **Job Assistance: Resume Building, Interview Prep**



# YOUR CAREER

# OPPORTUNITIES

- **Full Stack Developer**
- **Backend Developer**
- **Frontend Developer**
- **API Developer**
- **Web Application Developer**



# COURSE SUMMARY

- **Heading: Quick Overview**
- **8 Core Modules**
- **6+ Major Projects**
- **100% Career Mentorship**
- **Duration: 6-8 Months (Flexible)**



# LET'S LAUNCH YOUR TECH CAREER!

HOLA KNOVISTA

