INTENSIVE CODE CAMP
FULL STACK WEB DEVELOPMENT USING PYTHON
2023/2024
Be one of our Graduates Family

Track Overview
Information Technology Institute

People Develop Countries .. We Develop People

Information Technology Institute

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28 Km Cairo / Alexandria Desert Road, B148 Smart Village, Egypt

Intensive Training Program

www.iti.gov.eg

Full stack Web Development using Python

DESCRIPTION

ITI Intensive Code Camp – (Full stack development using Python) Specialization - is a product based program that will empower you to learn how to build a complete responsive web application using HTML, CSS, JavaScript, Frontend frameworks like React or Angular, PostgreSQL, Python, Django and Flask.

WHO MAY APPLY

All University Graduates with prerequisites of having a first degree from a recognized university or institution of higher education.

TRACK DURATION

480 Hours around 4 months (learning and project).

DELIVERY APPROACH

Blended between Self-paced, Synchronous Learning and Guided Practices with a Project Based Focused Journey.

BEFORE YOU APPLY

Candidates will have to complete the following prerequisite courses to join our program:

- Programming fundamentals at ocw.mit.edu/courses/intro-programming/
- OOP Fundamentals at www.tutorialspoint.com/cplusplus/cpp_quick_guide.htm
- Web Fundamentals at www.maharatech.gov.eg
- Linux Fundamental at www.guru99.com/introduction-linux.html
- Python Fundamental at www.maharatech.gov.eg or other resources that you prefer
- ITI values that could be found here: http:// www.iti.gov.eg/Site/AboutUs

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GRADUATE PROFILES

- Full stack with Python developer
- Python Backend Developer
- Odoo developer

REQUIRED TOOLS

Hardware: Personal laptop with 8 GB RAM, Core i5
Software: Ubuntu or any Linux distribution

TRACK PRACTICES

Candidates are working together in one of the following Suggested Projects (Web application):

- Instagram
- Uber
- Netflix
- Pinterest

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OVERALL LEARNING JOURNEY OUTLINE

57%

Web Develop using Python Category
Python Basics & Object-Oriented Programming using Python
Python Frameworks (Flask, Django)
Open-Source ERP and CRM System (Odoo)
Client – Side technologies
HTML5 & CSS3
Bootstrap
JQuery
Frontend frameworks(Angular or React)
UX/UI design basics

6%

Computing Foundation Category
Operating Systems Fundamentals Workshop
Introduction to Computer Networks and Cyber Security Workshop
Introduction to Unit Testing Workshop

10%

Databases
Database Fundamentals
PostgreSQL Database

15%

Administration
Red Hat System Administration I
Version Control Systems
Bash shell scripting
Apache
Introduction To Docker

12%

Employability and Soft skills
Effective Communication Skills
Effective Presentation Skills
Interviewing Skills
Freelancing Skills

OTHER USEFUL INFORMATION

(Collaborative activities, Outstanding facilities, Remarkable Opportunities, Talents' Innovation, Industry partners ...etc.)

Industry partners:
Vodafone, Yaoota, Orange, Valeo, Wuzzuf, Etisalat, IBM