Intensive Code Camp
Full Stack Web Development
Using Python
2024/2025
Be one of our Graduates Family

Track Overview

Information Technology Institute

People Develop Countries .. We Develop People

Information Technology Institute

Full stack 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

495 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 https://maharatech.gov.eg/course/view.php?id=36

- OOP Fundamentals at https://maharatech.gov.eg/course/view.php?id=2206

- Web Fundamentals at www.maharatech.gov.eg

- Linux Fundamental at https://maharatech.gov.eg/course/view.php?id=2155

- 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

Full stack Development using Python

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

Full stack Development using Python

OVERALL LEARNING JOURNEY OUTLINE

56.5%

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

5.5%

Computing Foundation Category
Operating Systems Fundamentals Workshop
Database Fundamentals Workshop
Introduction to Unit Testing Workshop

10%

Databases
Database Fundamentals
PostgreSQL Database

12%

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

16%

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

OTHER USEFUL INFORMATION

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