



INTENSIVE CODE CAMP
FULL-STACK WEB & GENERATIVE AI
DEVELOPMENT USING MERN
2025/2026

Be one of our Graduates Family

Track Overview

Information Technology Institute

People Develop Countries .. We Develop People



- ✉ ITIinfo@iti.gov.eg
- ☎ +202-35355656
- 📍 28 Km Cairo / Alexandria Desert Road, B148 Smart Village, Egypt
- 📘 Intensive Training Program
- 🌐 www.iti.gov.eg

FULL-STACK WEB & GENERATIVE AI DEVELOPMENT USING MERN



DESCRIPTION

ITI Intensive Code Camp – MEARN stack Specialization - is a product-based program that will empower you to learn the latest technologies in both MEARN and MERN stack development technologies and tools.



WHO MAY APPLY

All University Graduates with prerequisites of basic programming skills, HTML and CSS.



TRACK DURATION

618 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:

An Introduction to Programming could be found at Coursera:

<https://www.coursera.org/learn/intro-programming>

or Computer Programming Tutorial at

https://www.tutorialspoint.com/computer_programming/index.htm

Introduction to web Technologies could be found at MaharaTech:

<http://bit.ly/2OGcLix>

or Udacity <https://classroom.udacity.com/courses/ud001>

Introduction to Database could be found at MaharaTech:

<https://maharatech.gov.eg/enrol/index.php?id=740>

or Khan Academy <https://www.khanacademy.org/computing/computer-programming/sql>

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GRADUATE PROFILES

- Full-Stack JavaScript Developer
- MEAN Stack Developer
- MERN Stack Developer
- Node.js Developer



REQUIRED TOOLS

Each course lists the required programs installation

- VSCode, and/or Brackets
- Nodejs
- Postman



TRACK PRACTICES

Candidates are working together in one of the following Suggested Projects:

- Netflix.
- The guardian.
- Airbnb.
- Upwork.
- Lego.

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OVERALL LEARNING JOURNEY OUTLINE

JavaScript Programming

- Advanced JavaScript
- Modern JavaScript (ES6+) and TypeScript Fundamentals
- jQuery Fundamentals

12%

MEARN Stack Development

- Node.js Fundamentals
- NoSQL Database Fundamentals
- Angular Fundamentals
- React.js
- Next.js Fundamentals
- Material UI for React.js
- Nest JS
- GraphQL API

34%

Workshops

- OS Fundamentals workshop
- Network Fundamentals workshop
- Database Fundamentals workshop
- Introduction to Software testing workshop
- Agile Workshop

8%

Front-end Web Development

- Client-Side Technologies
- HTML5 and CSS3
- UI/UX Design Principle Fundamentals
- CSS preprocessor
- Responsive Web Fundamentals and Bootstrap

19%

Employability skills

- Effective Communication Skills
- Effective Presentation Skills
- CV Writing & Interviewing Skills
- Freelancing Fundamentals
- Work Ethics Workshop

11%

Gen AI Skills

- Introduction to Generative AI and prompt engineering
- AI-powered Coding Assistant tools
- Developing Gen-AI based software

5%

Web Development Tools and Management Techniques

- JavaScript Unit Testing
- PWA
- JS Design Patterns
- Source Control
- Secure Coding

11%

OTHER USEFUL INFORMATION