

COHORT 2026



Course Outline

2ND FEB 2026 – 31ST AUG 2026

**TRAIN UNEMPLOYED AFRICAN YOUTHS
TO BECOME EMPLOYABLE SOFTWARE
DEVELOPERS AND FUTURE TECH LEADERS**



Course Outline

All modules will utilize AI tools, including ChatGPT and other free tools, to accelerate the learning process and help learners achieve excellent results within an 7-month period.

MODULE 1 - INTRODUCTION TO HTML, CSS AND BASIC JAVASCRIPT

4 WEEKS

Learn to design and create websites using HTML, CSS, and JavaScript. This training covers everything from basic webpage structure to advanced interactive features.

1st
project

MODULE 2 - ADVANCED JAVASCRIPT AND DOM MANIPULATION

4 WEEKS

Explore advanced JavaScript concepts and DOM manipulation techniques, including closures, promises, async/await, and event handling to create dynamic, interactive web applications.

MODULE 3 - FRONTEND DEVELOPMENT WITH REACT

3 WEEKS

Learn to build dynamic, responsive web applications using React. This module covers component-based architecture, state management, hooks, and routing, enabling you to create efficient and maintainable user interfaces.

2nd
project

MODULE 4 - ADVANCED REACT AND TYPESCRIPT

3 WEEKS

Master advanced React techniques and TypeScript integration. Learn custom hooks, context API, and TypeScript types to build scalable, type-safe applications.

**MODULE 5 – BACKEND
DEVELOPMENT WITH C# AND
.NET**

4 WEEKS

Learn to build robust backend systems using C# and .NET. This module covers APIs, exception handling, and security practices, equipping you to create efficient and scalable server-side applications.

**MODULE 6 – WEB API
DEVELOPMENT WITH ASP.NET
CORE**

4 WEEKS

Learn to create robust Web APIs using ASP.NET Core. This module covers routing, controllers, data handling, authentication, and deployment, equipping you to build scalable and secure APIs for modern web applications.

**3rd
project****MODULE 7 – DATABASE
MANAGEMENT WITH SQL AND
NOSQL**

3 WEEKS

Learn to manage databases using SQL and NoSQL. Topics include data modeling, queries, and performance optimization.

**MODULE 8 – JOB
PREPARATION & END OF
COURSE**

2 WEEKS

Prepare for your career with resume building, interview techniques, and job search strategies. This module concludes with a review of key concepts and a final project presentation.