SOFTWARE DEVELOPMENT FUNDAMENTALS BOOTCAMP
DAM FUNDAMENTALS (6 Weeks 300 Hours)
DURATION 6 Weeks (300 Hours)
START DATE 21st FEB 2022
FEE 29,900

Description

Digital Apprenticeship Masterclass (DAM) Fundamentals is a class designed to get you started in your tech career. This class is designed to get you started with logic processing, database management, design thinking and software development fundamentals. It gives you the right foundation to kick start your career in data science, full stack web and mobile development. This is the right course if you are looking to have a good software engineering foundation before taking a deep dive.

WEEK 1 (Introduction, HTML, CSS,GIT & GITHUB)

We use this week to onboard you and lay a foundation. You get introduced to software development, project management, collaboration and web design tools. You also get to learn more about active pedagogy which is our approach to learning.

1. Command Line
2. Text Editors & IDE's
3. Version Control & GIT
4. Basic HTML & HTML5
5. Basic CSS
6. Debugging HTML & CSS
7. Applied Visual Design & Applied Accessibility
8. Responsive Web Design Principles
9. CSS Flexbox & CSS Grid
10. GitHub Pages
11. Project(Personal Portfolio page (Must), Choose One -> (Product Landing Page, Tribute Page, Survey Form, Technical Documentation Page))

WEEK 2 (Introduction to JavaScript)
At this point the foundation is well laid and you have an idea of what web design entails. So it's time to build on the already acquired skills and perfect them as you learn other skills as well.
1. Introduction to JavaScript
2. JavaScript console
3. Fundamental JavaScript
4. Javascript functions

5. Business vs User interface logic
6. Control flows
7. Logical operators
8. Arrays
9. Looping
10. Project

WEEK 3 (JavaScript For Web & Frontend Development)
1. Bootstrap & Bootstrap documentation
2. JQuery
3. jQuery effects
4. DOM manipulation and traversal
5. Variable Scope
6. Forms
7. Debugging in JavaScript
8. Figma for UI & UX Design
9. Project

WEEK 4 (JavaScript Algorithms and Data Structures)
1. ES6
2. Regular Expressions
3. Basic Data Structures
4. Basic Algorithm Scripting
5. Object Oriented Programming
6. Functional Programming
7. Project

WEEK 5 (Data Modeling, JavaScript Algorithms and Data Structures)
1. Intermediate Algorithm Scripting
2. Introduction to databases & Data modeling
3. SQL Essential Training, Data Modeling
4. NoSQL Essential Training
5. Project

WEEK 6 (Masterpiece project)
1. Designs & mockups, Frontend design and development, Data Modeling, Dynamic Web development, Data Structures, Algorithm Scripting
2. Team formation & Git Collaboration
3. Agile, project management and User requirements gathering
4. Presentation Skills