

AI-Driven UI Development with Figma to Web Implementation

Duration: 40hrs (5 Days)

Day 1: Foundations + Design Preparation

Module 1: Introduction to Figma-to-Code Workflow

Objective: Understand the end-to-end workflow from Figma design to live website.

- Understanding Design-to-Development Pipeline
- Overview of Conversion Approaches
- When to Use Manual vs Automated Methods
- Real-world Workflow (Figma → Code → Deployment)

Module 2: Figma Design for Development

Objective: Prepare clean and structured Figma files for efficient development.

- Importance of Clean Design Structure
- Naming Conventions for Layers & Components
- Using Frames, Groups, and Components Effectively
- Design Consistency (Colors, Typography, Spacing)
- Explore Figma Plugins and Community for UI Kits

Hands-on Lab 1: Prepare a Figma File for Development

- Explore Community for Design templates
- Clean and organize design
- Rename layers
- Apply consistent styles

Day 2: Design Systems + Responsive Design

Module 3: Advanced Design Preparation & Responsiveness

Objective: Build reusable and responsive design systems using Figma tools.

- Reusable Design Systems
- Styles, Components, Variants
- Auto Layout for Responsive UI
- Spacing, Padding, Alignment
- Auto Layout
- Multi-screen design

Hands-on Lab 1 (Continued): Responsive Design Setup

- Apply Auto Layout
- Create responsive components
- Test across screen sizes

Day 3: Manual Conversion (Developer Handoff)

Module 4: Manual Conversion (Developer Handoff)

Objective: Convert Figma designs into structured HTML/CSS using developer tools.

- Developer Mode in Figma
- Inspect & extract CSS
- Export assets
- Understand layout & spacing
- HTML structure basics
- Build static web page

Hands-on Lab 2: Share Prototype for Developer Handoff

- Enable inspect mode
- Export assets

- Share prototype link

Day 4: AI-Based Code Generation

Module 5: Using Chat Agents or Figma Make for Code Generation

Objective: Generate and refine HTML/CSS using AI tools and prompting techniques.

- AI design-to-code tools
- Chat agents (ChatGPT, Claude, etc...)
- Prompting techniques
- Convert designs to code
- Refine AI output
- Figma Make overview
- Use cases & limitations

Hands-on Lab 3: Convert Figma Design to Website using AI

- Generate code using prompts
- Refine output
- Compare with manual code

Day 5: Platforms, Plugins & Wrap-up

Module 6: Design-to-Website Platforms

Objective: Publish Figma designs as live websites using no-code platforms.

- Framer overview
- Figma → Framer workflow
- Publish website

Hands-on Lab 4: Export Figma Design to Framer

- Import design

- Adjust layout
- Publish page

Module 7: Figma Plugins for Code Generation Overview

Objective: Explore plugins to accelerate design-to-code conversion.

- Builder.io
- Anima
- Locofy
- TeleportHQ
- Plugin limitations

Hands-on Lab 5: Explore Plugins

- Explore various paid plugin options

Module 8: Q & A + Closure

Objective: Reinforce learning through discussion, assessment, and feedback.

- Q & A
- Quiz
- Feedback