Learn No Code App Development with Vibe Coding

Duration: 3 days
Prerequisites: Knowledge of Programming

Day 1: Vibe Coding Foundations & AI IDE Basics

Module 1: Introduction to Vibe Coding

- What is Vibe Coding?
- Role of AI in low-code development
- Use cases: productivity tools, automation, business apps

Module 2: Getting Started with the AI IDE

- Setting up your first project
- Canvas overview and interface walkthrough
- Adding visual components (buttons, forms, lists)

Module 3: Data & Logic Essentials

- Creating and using variables
- Data binding to UI elements
- Conditional rendering (e.g., show/hide based on input)
- Working with simple logic blocks

Labs

- Build a basic To-Do list app
- Use buttons, inputs, and dynamic lists
- Implement variable-driven display logic

Day 2: Interactivity, APIs & Dynamic Content

Module 4: Event Handling and Interactivity

- Introduction to event-driven logic
- Using onClick, onInput, onSubmit actions
- Input validation and response messages
- Using AI to suggest block logic

Module 5: API Integration & Live Data

- Overview of APIs in no-code tools
- Connecting to external APIs via the IDE
- Displaying dynamic content using lists, cards
- Using forms to submit data

Module 6: Preview, Test & Debug

- Using preview mode for testing
- AI-powered debugging help
- Common UI/UX mistakes and corrections

- Introduction to publishing and export options

Labs

- Create a contact form with field validation
- Connect to a public API (e.g., weather, quotes)
- Display data dynamically in UI components

Day 3: Capstone Project – Design, Build & Present

Module 7: Capstone Project Brief

- Choose a project type:
  - Mini CRM
  - Feedback or survey tool
  - Product catalog with inquiry form
  - Lead capture + API reporting dashboard
- Define purpose, user flow, and data requirements

Module 8: Guided Project Build

- UI layout and visual components
- Data binding and event logic
- External API integration (if applicable)
- Debugging and iteration

Module 9: Presentation & Review

- Polish UI with layout and design suggestions
- Final testing and review checklist
- Capstone project presentation

Labs

- Full development of selected Capstone Project