

ADaSci Certified Vibe Coding Practitioner

Program Curriculum

Program Overview

The ADaSci Certified Vibe Coding Practitioner is a course-linked certification program that empowers learners with hands-on skills in building applications using AI-driven, prompt-based development tools. Designed for individuals from both technical and non-technical backgrounds, the program provides immersive, real-world training in AI-native development environments.

Program Duration: 30 hours (self-paced)

Certification Exam Duration: 60 minutes

Learning Outcomes

By the end of this program, participants will be able to:

- Build functional applications using tools like Lovable, Bolt, Replit, and Cursor.
 - Design and refine user interfaces using Tempo and v0 by Vercel.
 - Deploy AI-generated applications with minimal manual coding.
 - Apply prompt-first workflows to solve real-world software development problems.
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Course Modules

Module 1: Introduction to Vibe Coding

- Understanding Vibe Coding: A paradigm shift in software development
- Capabilities and limitations of large language models (LLMs) in software creation
- Transitioning from code writing to prompt-based workflows
- Real-world case study on Vibe Coding adoption

Module 2: Prompt Engineering and AI Interaction

- Crafting effective developer prompts
- Techniques for refining and debugging AI-generated code
- Managing memory and context in AI-assisted tools
- Addressing ethical challenges in AI-driven development

Module 3: Building Applications with Lovable

- Overview of Lovable: UI, backend, and database automation
- End-to-end app creation using natural language prompts
- Visual editing vs. code management
- Team collaboration and GitHub integration
- Deployment options: local and cloud

Module 4: Replit for Real-Time Collaboration

- Leveraging Replit's AI development features
- Multiplayer development and cloud-based workflows
- Rapid creation of micro-projects
- Collaborative prototyping with live feedback
- Deployment options: local and cloud

Module 5: Tempo and v0 by Vercel – Design and Deployment Automation

- Tempo: transforming prompts into full-stack applications
- Using v0 by Vercel for automated UI design
- UI-first workflows integrating Figma or direct prompts
- Case study: building and deploying a responsive dashboard
- Deployment options: local and cloud

Module 6: Vibe Coding with Cursor + Bolt

- Setting up Cursor for AI-native coding
- Using Bolt for fast prototyping through prompts
- Hands-on exercises: feature building, debugging, iterative development
- Version control and production-ready exports
- Deployment options: local and cloud

Module 7: Applied Industry Use Cases

- Creating SaaS MVPs using AI-native tools
- Automating business dashboards and workflows
- E-commerce customizations with AI-generated components
- Rapid prototyping for product and design teams

Certification Exam

- **Format:** Online, web-proctored
- **Duration:** 60 minutes
- **Question Types:** Multiple choice, scenario-based, and prompt interpretation

- **Passing Criteria:** Minimum 70% score
 - **Credential Awarded:** Certified Vibe Coding Practitioner by ADaSci
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Tools Covered

- Lovable
 - Bolt
 - Replit
 - Tempo
 - v0 by Vercel
 - Cursor
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Ideal Participants

- Professionals and innovators from non-technical or technical backgrounds
 - Product teams and designers exploring AI-assisted workflows
 - Anyone interested in no-code and low-code AI-native application development
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Access and Validity

- Lifetime access to the certification upon passing
 - Course access remains valid until certification is completed
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Conclusion

This program equips learners with industry-relevant, future-ready skills in AI-native development. Through a structured curriculum, hands-on tool training, and real-world projects, participants gain the expertise needed to thrive in an evolving software landscape.