

Code Pathway

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Target Market

Target Market:

High school and college students, professionals seeking to upskill.

Value Propositions:

- Personalized learning with AI feedback.
- Interactive modules that maintain engagement.
- Scalability for a wide audience.
- Affordable pricing options to increase accessibility.
- Emphasis on community-driven learning experiences.

Problem

- Many students lack access to effective coding education.
- Traditional learning methods often fail to engage and provide feedback.
- High dropout rates in online courses due to lack of interaction and support.
- Limited availability of resources for hands-on practice.

Solution

- Code Pathway uses AI to assess quiz answers and provide personalized feedback.
- Distributed computing ensures scalable access to learning materials anytime, anywhere.
- Mobile access allows learning on-the-go, catering to busy schedules.
- Interactive features enhance user engagement and retention.

Key Winning Features

- Expands access to coding education
- Boosts engagement with real-time feedback
- Supports retention through interactive learning
- Emphasizes hands-on coding practice

Current Status

Completed:

- Prototype of front end
 - Free trial lesson plans (four in total)
 - Skeleton of Login page
 - Code submission and AI interaction text areas
- Prototype of back end
 - AI integration
 - Skeleton of Login

To Do:

- Database integration

Demo Video Link

<https://youtu.be/guEN6gOfCrA>

Team members and contributions

Syeda Nida Toufeeq

- Back end

Manohar Sai Ramanna Chowdary Uppuluri

- Database creation
- Lesson plan

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- Front end
- Back end integration with front end

Next steps to succeed

1. Finish Code Pathway website
 - a. Database integration, payment methods, login integration, etc.
2. Push the program public to generate initial revenue
3. Add additional languages
 - a. C++, Java, C#, etc
4. Move from production and deployment phase to sustainment phase
 - a. Listen to user feedback for bug fixes
 - b. Update libraries to keep code base up to date