

# Documentation of Edutech E-Learning Platform

Developed by Aadi Kommula

## Introduction

Edutech is an e-learning platform developed by Aadi Kommula. The primary objective of Edutech is to provide free technical content tailored for beginners, enabling them to learn and enhance their skills in a structured and accessible manner.

## Features of Edutech

The platform offers the following key features:

1. **Courses:** Provides recorded video content to users, allowing them to learn at their own pace.
2. **Quiz:** Includes a quiz section to test users' knowledge. Scores are displayed immediately after completing the quiz.
3. **Progress:** Tracks user actions and displays the percentage of the course completed.
  - *Note:* The progress feature is integrated into the Courses feature and is not a standalone component.

## Technologies Used in Edutech

The platform is built using the following technologies:

- HTML
- CSS
- JavaScript
- Bootstrap

## Development Tools and Resources

The development of Edutech utilized the following tools and resources to ensure a stable, fast, and bug-free platform:

1. **VSCode**: Primary code editor for development.
2. **HTML**: Used for structuring the website.
3. **CSS**: Provides styling and design for the website.
4. **JavaScript**: Enables dynamic changes and interactivity.
5. **Bootstrap**: A framework used for responsive design and layout.
6. **Python**: Utilized for fetching YouTube data.
7. **JSON**: Used for data input and easy data access.
8. **Uigradients**: Provides color codes for the platform.
9. **Canvas**: Used for editing card thumbnails.
10. **Pinterest**: Source for stock images.
11. **Deepseek**: Provides taglines and content.
12. **Cloud Shell**: Used for YouTube API integration.
13. **CloudConvert**: Converts images to the WebP format.
14. **XAMPP Server**: Used for testing the platform on mobile devices.
15. **Git**: Version control system for managing code.
16. **GitHub**: Repository for storing project data.
17. **Vercel**: Platform for deployment.
18. **ThemeForest**: Source for prototyping and design inspiration.

## Conclusion

Edutech is a comprehensive e-learning platform designed to provide free technical education to beginners. By leveraging modern web technologies and development tools, the platform ensures a seamless and efficient learning experience. The integration of features like courses, quizzes, and progress tracking makes Edutech a valuable resource for aspiring learners.