

MitrEdu -



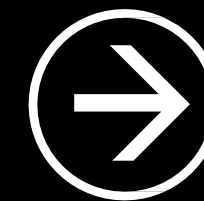
An Interactive Learning Platform

Presented by

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Problem Statement

MitrEdu is an online learning platform designed to facilitate student learning, practice, and progress tracking. The platform includes features such as:

- **User Authentication:** Secure login and registration using Firebase Authentication.
- **Student Dashboard:** Personalized dashboard displaying enrolled courses and progress within each course, and performance metrics.
- **Quizzes:** Interactive quizzes to test knowledge and track learning outcomes.
- **ProgressTracking:** Visual representation of learning progress and achievements.
- **Marks Predictor (ML):** Predicts student exam scores using study habits and wellness factors, offering personalized improvement insights.



React Topics Covered

- **Functional Components** - Building reusable UI elements for different parts of the application.
- **Hooks** - Implementing useState for state management and useEffect for side effects and data fetching.
- **Routing** - Enabling navigation between different pages of the application.
- **Form Handling** - Using controlled components for handling user inputs in forms.
- **Event Handling** - Capturing user interactions like button clicks, form submissions.
- **Conditional Rendering** - Displaying content dynamically based on user actions or status.

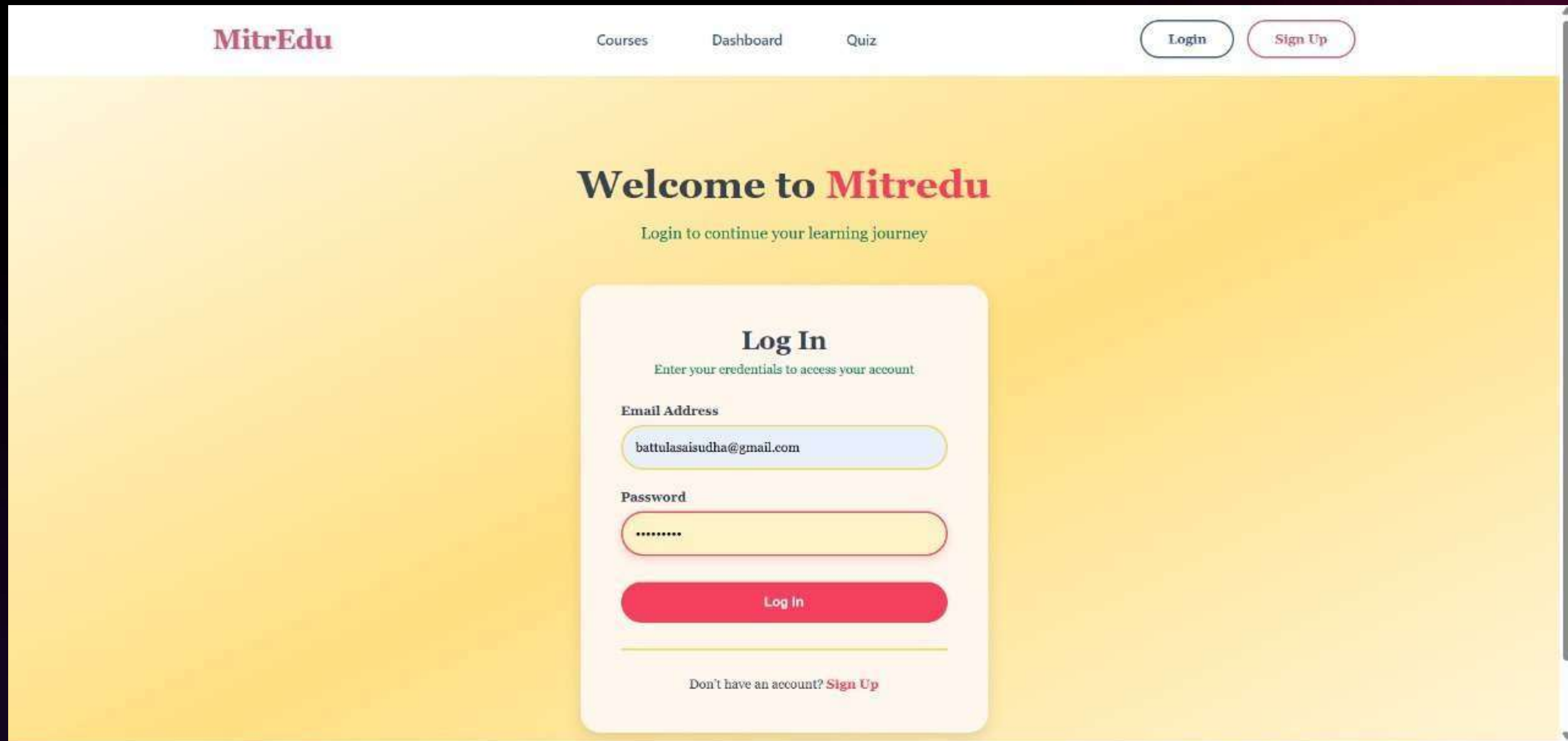


Output

Home page



Login



The image shows a web browser window displaying the login page of 'Mitredu'. The page has a yellow background. At the top, there is a navigation bar with the 'MitrEdu' logo on the left, and links for 'Courses', 'Dashboard', and 'Quiz' in the center. On the right side of the navigation bar are two buttons: 'Login' and 'Sign Up'. Below the navigation bar, the main heading 'Welcome to Mitredu' is displayed in a large, bold font. Underneath this heading is the text 'Login to continue your learning journey'. In the center of the page is a white login form. The form has a title 'Log In' and a subtitle 'Enter your credentials to access your account'. It contains two input fields: 'Email Address' with the value 'battulasaisudha@gmail.com' and 'Password' with masked characters '.....'. Below these fields is a red 'Log In' button. At the bottom of the form, there is a link that says 'Don't have an account? Sign Up'.

MitrEdu

Courses Dashboard Quiz

Login Sign Up

Welcome to Mitredu

Login to continue your learning journey

Log In

Enter your credentials to access your account

Email Address

battulasaisudha@gmail.com

Password

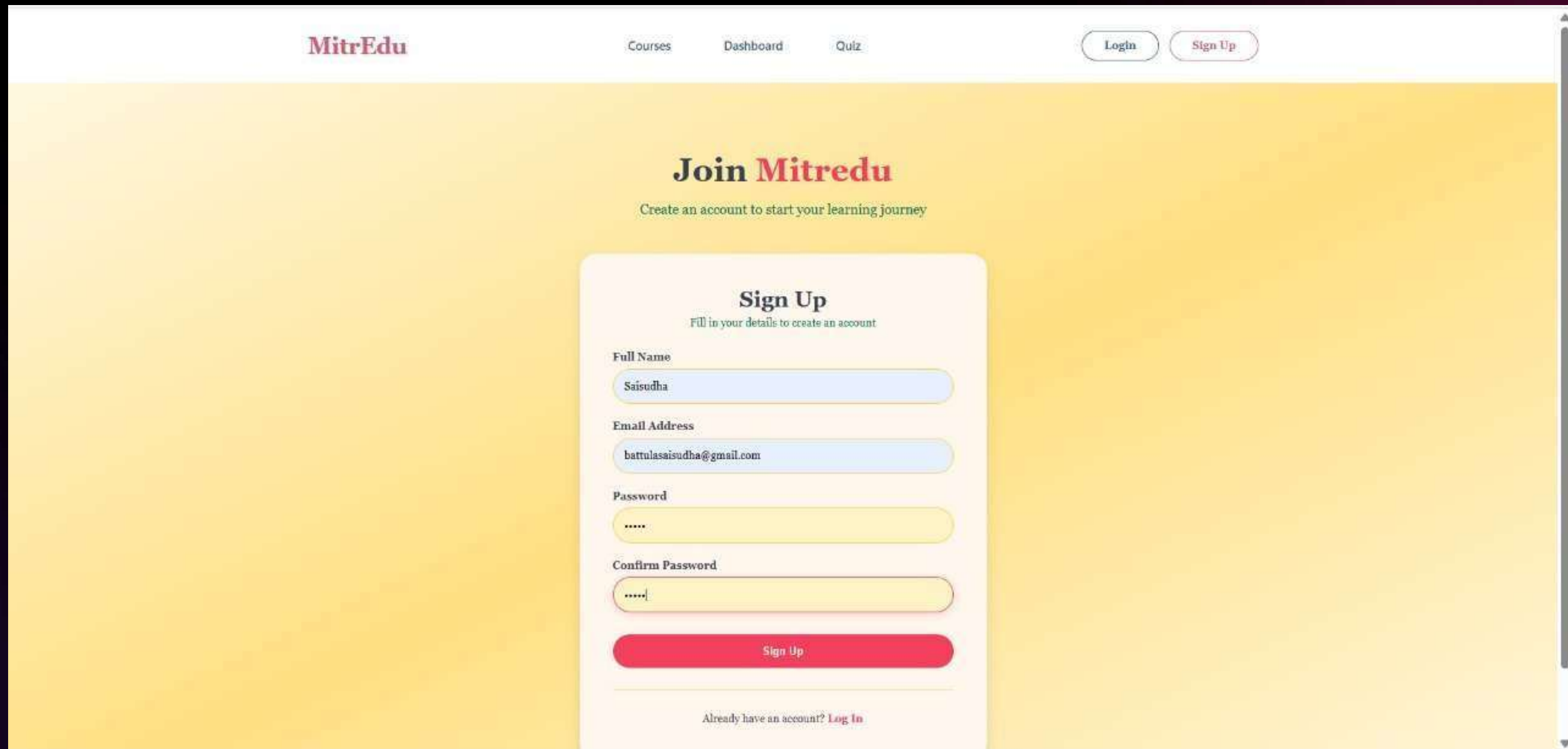
.....

Log In

Don't have an account? [Sign Up](#)



Sign up



The screenshot shows the 'Sign Up' page of the Mitredu website. The page has a white header with the 'MitrEdu' logo on the left and navigation links for 'Courses', 'Dashboard', and 'Quiz' in the center. On the right side of the header are 'Login' and 'Sign Up' buttons. The main content area has a light yellow background. In the center, there is a white card titled 'Sign Up' with the subtitle 'Fill in your details to create an account'. The card contains four input fields: 'Full Name' (with the value 'Saisudha'), 'Email Address' (with the value 'battulasaisudha@gmail.com'), 'Password' (with masked characters '*****'), and 'Confirm Password' (with masked characters '*****'). Below these fields is a red 'Sign Up' button. At the bottom of the card, there is a link that says 'Already have an account? Log In'.

MitrEdu Courses Dashboard Quiz Login Sign Up

Join Mitredu

Create an account to start your learning journey

Sign Up

Fill in your details to create an account

Full Name
Saisudha

Email Address
battulasaisudha@gmail.com

Password

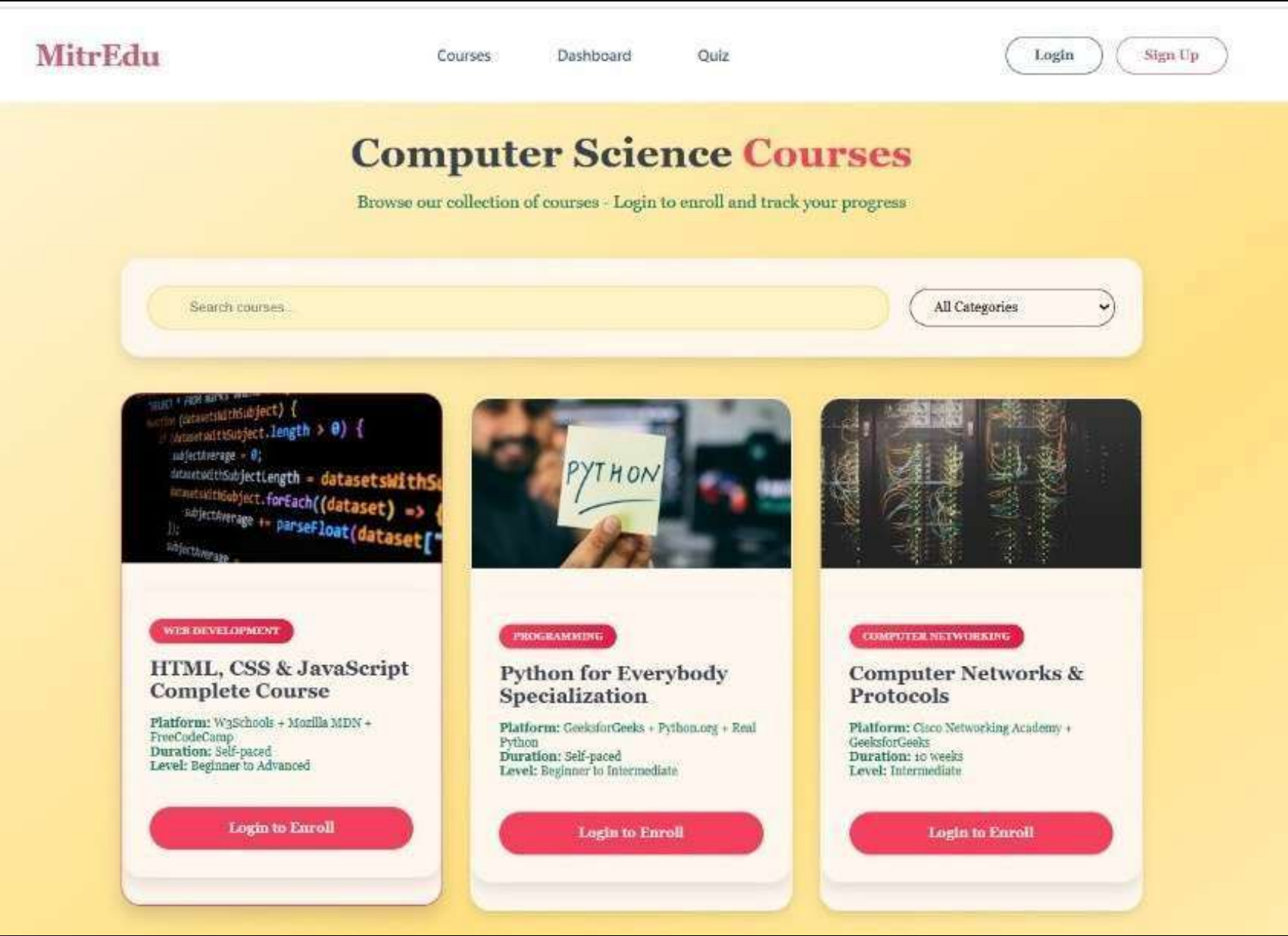
Confirm Password

Sign Up

Already have an account? [Log In](#)



Courses



Before login

After login



MitrEdu

Courses


Dashboard

Quiz

Login

Sign Up

✓ Enrolled



Programming

Python for Everybody Specialization

Learn Python programming from scratch. Perfect for beginners who want to start their programming journey.

Platform:
GeeksforGeeks + Python.org + Real Python

Duration:
Self-paced

Level:
Beginner to Intermediate

Lessons:
8

13% Complete

Course Curriculum

✓

1

Python Installation and Setup

20 mins

✓

✓

2

Variables and Data Types

40 mins

✓

3

Control Flow and Loops

50 mins

▶

4

Functions and Modules

60 mins

▶

5

Data Structures

70 mins

▶

6

File Handling

45 mins

▶

7

Object-Oriented Programming

80 mins

▶

8

Error Handling

35 mins


▶

III CSE-C FSD Project


Dashboard


MitrEdu[Courses](#)[Dashboard](#)[Quiz](#)[Login](#)[Sign Up](#)


Welcome back, Saisudha
Here's your learning progress


**Saisudha**
View Profile

[Logout](#)

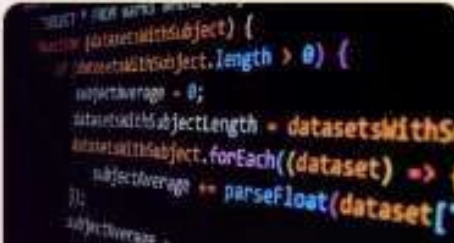
**3**
Enrolled Courses

**0**
Completed Courses

**28%**
Average Progress


**0**
Quizzes Taken

My Enrolled Courses[View All](#)




Web Development
HTML, CSS & JavaScript
Complete Course

70% Complete
Started: 10/6/2025
[Continue Learning](#)



Programming
Python for Everybody
Specialization

13% Complete
Started: 10/6/2025
[Continue Learning](#)



Computer Networking
Computer Networks &
Protocols

0% Complete
Started: 10/8/2025
[Continue Learning](#)


Quiz

MitrEdu[Courses](#)[Dashboard](#)[Quiz](#)[Login](#)[Sign Up](#)

Try out Quizzes

Test your knowledge with our collection of programming and technology quizzes

All Categories




WEB DEVELOPMENT

HTML, CSS & JavaScript Quiz

Questions: 10
Duration: 8 minutes
Level: Beginner to Advanced

Test your knowledge of fundamental web technologies including HTML markup, CSS styling, and JavaScript programming.

[Start Quiz](#)




WEB DEVELOPMENT

React.js Quiz

Questions: 10
Duration: 8 minutes
Level: Intermediate

Evaluate your understanding of React concepts including components, hooks, state management, and JSX.

[Start Quiz](#)



PROGRAMMING

Python Programming Quiz

Questions: 10
Duration: 8 minutes
Level: Beginner to Intermediate

Challenge yourself with Python fundamentals including data types, functions, and object-oriented programming.

[Start Quiz](#)

MitrEdu[Courses](#)[Dashboard](#)[Quiz](#)[Login](#)[Sign Up](#)

HTML, CSS & JavaScript Quiz

7:55

Question 1 of 10

What does HTML stand for?

☐ Hyper Text Markup Language

☐ Home Tool Markup Language

☐ Hyperlinks and Text Markup Language

☐ Hyper Text Making Language

Previous

1 / 10

Next

Question Overview:

1

2

3

4

5

6

7

8

9

10

Green: Answered | Blue: Current | Gray: Unanswered

MitrEdu

Courses

Dashboard

Quiz

Login

Sign Up

Quiz Results

HTML, CSS & JavaScript Quiz

Score: 8/10 (80%)

Congratulations! You passed!

Question Review:

Question 1: What does HTML stand for?

Your answer: Hyper Text Markup Language

Correct answer: Hyper Text Markup Language

Question 2: CSS Grid and Flexbox cannot be used together in the same layout.

Your answer: False

Correct answer: False

Question 3: Which method is used to add an element to the end of an array in JavaScript?

Your answer: push()

Correct answer: push()

Question 4: Which tag is used to create a hyperlink in HTML?

Your answer: <a>

Correct answer: <a>

Question 5: In CSS, #id is used to select an element by its ID.

Your answer: True

Correct answer: True

Question 3: Which method is used to add an element to the end of an array in JavaScript?

Your answer: push()

Correct answer: push()

Question 4: Which tag is used to create a hyperlink in HTML?

Your answer: <a>

Correct answer: <a>

Question 5: In CSS, #id is used to select an element by its ID.

Your answer: True

Correct answer: True

Question 6: Which JavaScript keyword is used to declare a constant?

Your answer: const

Correct answer: const

Question 7: Which HTML tag is used to display an image?

Your answer:

Correct answer:

Question 8: Inline CSS has higher priority than external CSS.

Your answer: False

Correct answer: True

Question 9: Which JavaScript function is used to parse a JSON string?

Your answer: JSON.parse()

Correct answer: JSON.parse()

Question 10: Which attribute is used in HTML to specify inline styles?

Your answer: id

Correct answer: style

Take Another Quiz

Retake This Quiz

MitrEdu

CoursesDashboardQuizScore Predictor

LoginSign Up

Exam Score Predictor

Get personalized insights powered by machine learning to improve your academic performance.


Your Predicted Exam Score

76.59

Good

Personalized Tips to Improve

Focus on these evidence-based strategies to boost your performance.

 Consider joining a study group or using online tutoring resources.

Consider joining a study group or using online tutoring resources.

Try Another Prediction

Learning Outcomes

- **React Development:** Gained proficiency in building single-page applications using React.
- **State Management:** Learned effective state management techniques using React Hooks.
- **Firebase Integration:** Acquired experience in integrating Firebase services for authentication and real-time data handling.
- **UI/UX Design:** Enhanced skills in designing user-friendly interfaces with a focus on user experience.
- **Machine Learning Integration:** Gained hands-on experience integrating an ML-based marks predictor into a web platform.
- **Problem-Solving:** Developed problem-solving skills through debugging and optimizing application performance.



Thank You!