

IBM Application User Manual

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Dashboard

IBM Companion

Home

Enrolled

Completed

Leaderboard

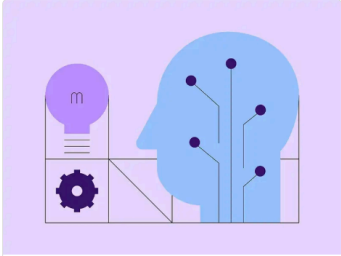
Achievements

Search

Profile

Login

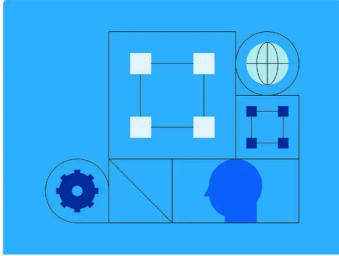
Popular Courses:



Artificial Intelligence ★★★★★

You've probably heard about the artificial intelligence and machine learning algorithms that power your favorite apps with data science and deep learning techniques. But how much do you really know about

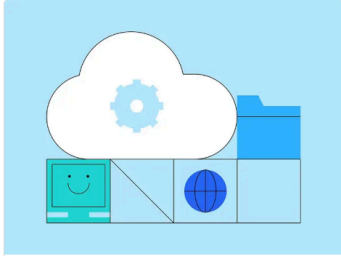
[Start](#)[View Comments](#)



BlockChain ★★★★★

Ever heard of Bitcoin? Well, blockchain is the technology that makes Bitcoin possible. It's a super fast-growing technology that has huge potential to change how all of our data and transactions are

[Start](#)[View Comments](#)

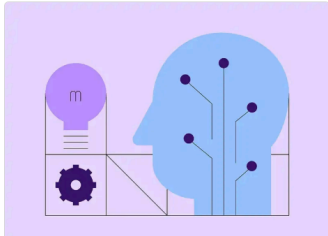


Cloud Computing ★★★★★

You know how a lot of the stuff on your phone isn't actually on your phone? That's right—all those photos and Spotify playlists are actually on the "cloud". But what, exactly, is the cloud? Explore our cloud

[Start](#)[View Comments](#)

Available Courses:

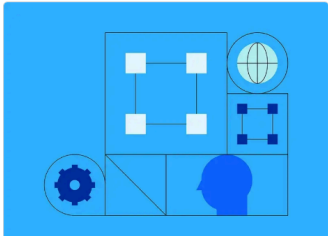


Artificial Intelligence ★★★★★

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100.0% Remaining

[Start](#)[View Comments](#)

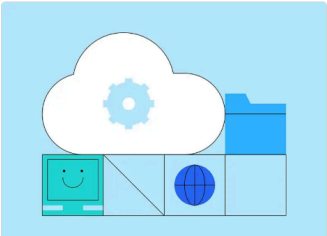


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[Start](#)[View Comments](#)



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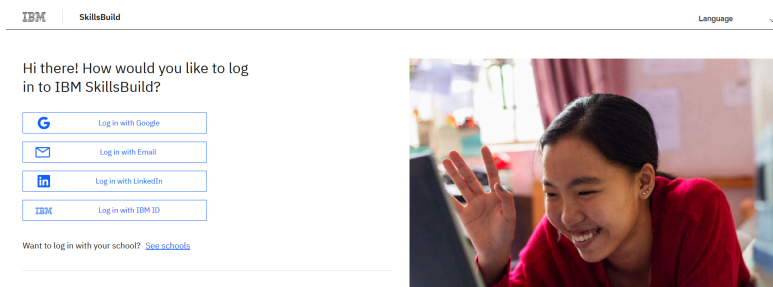
[Start](#)[View Comments](#)

The dashboard shows the user all the courses available. There are 11 courses, each showing an image, title, description, rating out of 5 stars, a start button that takes them to the IBM website for that course, and the view comments button.

You can scroll down on the page to see the rest of the courses and all the same information about each of them

Pressing the start button on a course

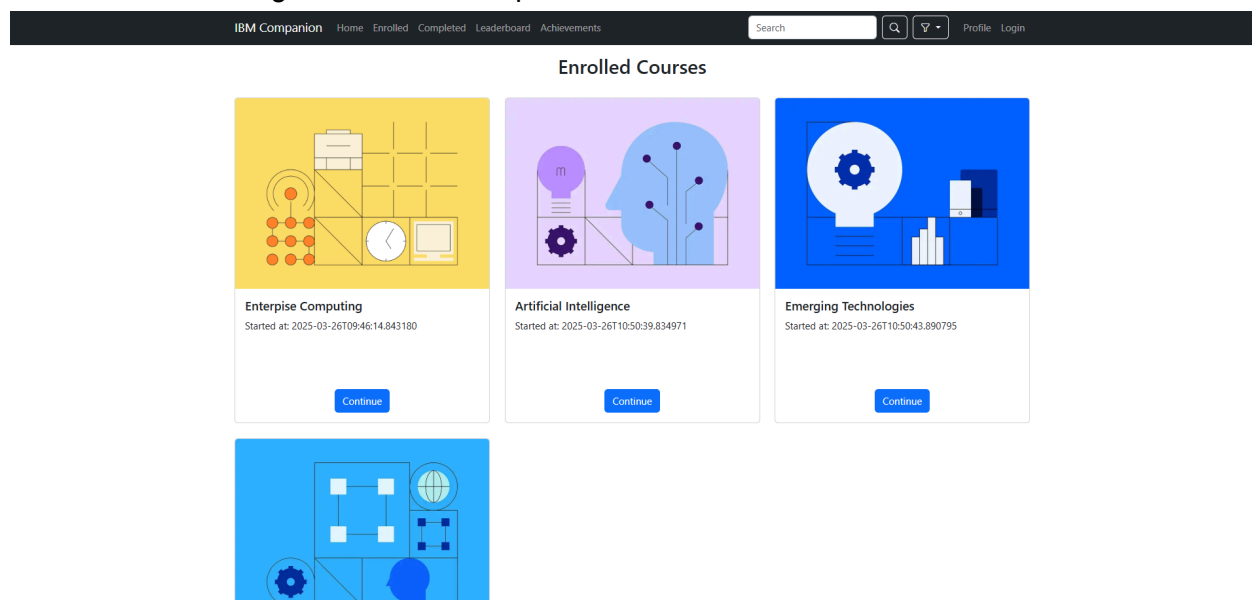
If you press the start button when not logged in, it takes you to the login page but if the user is logged in, it takes them to the relevant page on the ibm website, where they are prompted to sign into their IBM account and the course can now also be viewed in the enrolled section



The IBM website you're taken to after pressing the start button

On the dashboard, there is also the navigation bar that has the logo website, which clicking on it takes you back to the homepage, “home” that also takes you to the homepage,” enrolled” which takes you to your enrolled courses, completed which has no functionality, leaderboard that takes you to the global leaderboard, achievements which shows the achievements the user has and can gain a search bar to find a specific course and filters to help do the same, profile button to manage the users profile if they are logged in and a login page that allows the user to login or register if they don't have an account

We can see the navigation bar at the top of this screenshot



Clicking on the “enrolled” button on the navigation bar takes you to a page that shows all the courses that the user has started there is a “continue” button this takes the user to the IBM website for that course and its where the user can also see the recorded start time for any course that they have started

Register

IBM Companion

Register

Username

First Name

Last Name

Email

Password

[Register](#)

Already have an account? [Login](#)

Register page

The register page allows users to register an account saved into a database.

Users need to fill in the empty textboxes with their Username, first name, last name, email, and password. The email textbox needs to include an “@” for the registration form to save to the database. The password needs to include a minimum of 8 characters with at least one special character.

Email

⚠ Please include an '@' in the email address. 'persongmail.com' is missing an '@'.

Once the registration form is filled out, the user can click on “Register” to save their account into the database.

If the registration is successful, a message will appear at the top of the screen.

User successfully registered. You can now login

If the user already has an account, they will receive this message:

Email already registered. Please use a different email

If the user already has an account, they can click on the “Login” hyperlink under the registration table to send them to a login page.

login

IBM Companion

Login

Email

Password

[Login](#)

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

The login page of this website allows users to interact with each feature on their personalized accounts by logging into a database.

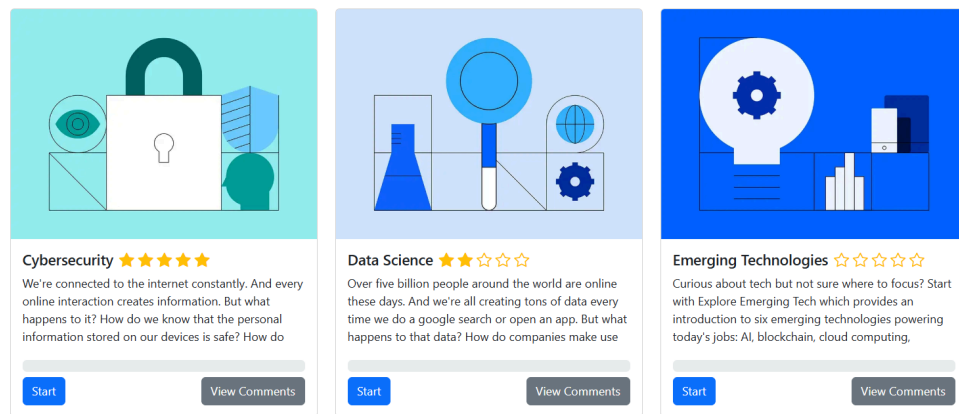
To log in to an account, a user must fill in the Email and Password text boxes with the information they registered in the past. Once all the information is filled, the user can click on the “Login” and stay signed into the account.

If the login is successful, the user will receive this message:

Login successful

If the user does not have an account, they can click on the “Register” hyperlink to be sent to the register page where they can make an account

Commenting on and rating courses



On the dashboard where we see all the courses the user can see a star rating for all the courses this rating is an averaged score from all the reviews in the comments of that course and a view comments button that takes the user to a page that displays all the comments for that course as well as the separate ratings given by users. If there is no comments the star rating is 0. The max rating for courses is 5/5 stars

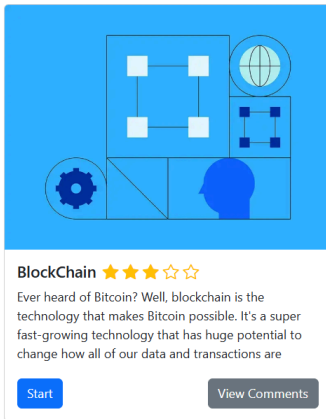
Comments for BlockChain

[Add Comment](#)

Emilio Great course very useful and indepth 🕒 2025-03-26T02:12:18.032014	★★★★★ (5.0/5)
zac not enough activities didnt learn anything 🕒 2025-03-26T02:12:40.496166	★☆☆☆☆ (1.0/5)

If the user presses the view comments button they get taken to a separate page with the all the comments specific to that course (as seen above) with each comment displaying the commenters username, review of the course and the time posted. There is also the add comments button which allows the user to add their own comment which will be explained in more detail further on.

The overall star rating is calculated by averaging out all the ratings from the comments on that one course and so using the above example with one 5 star review and another 1 star review we can see that the average score for blockchains is calculated and displayed at 3 stars.



Blockchain ★★☆☆☆

Ever heard of Bitcoin? Well, blockchain is the technology that makes Bitcoin possible. It's a super fast-growing technology that has huge potential to change how all of our data and transactions are

[Start](#) [View Comments](#)

IBM Companion Home Enrolled Completed Leaderboard Achievements Profile

Comments for Emerging Technologies

[Add Comment](#)

No comments available for this course.

If the user clicks on a course that has no comments they are displayed the message above saying no comments available for this course.

IBM Companion Home Enrolled Completed Leaderboard Achievements Profile

Comments for Emerging Technologies

[Add Comment](#)

No comments available for this course.

Add Your Review

Your Name

Rating

★★★★★

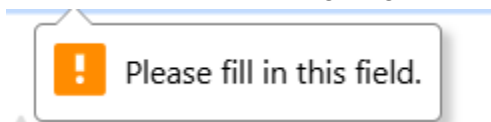
Your Comment

[Close](#) [Submit Review](#)

The user can add their own comments though and they do this by pressing the add comments button in the top right and when they do the text box below is displayed where they user enters

their name, the rating they want to give the course and what they want to say about the course and then when done the user can press the submit review button and the comment is added to the database, displayed on the website and rating taken account of in the average as shown previously.

If the name or comment section isn't filled out the message below of “please fill in this field” is shown to the user and they can't finish submitting the review until they have. They also can't publish a review without giving a rating



Profile management

IBM Companion

User Profile

Email:

Username:

Change Password

Old Password:

New Password:

If the user presses the Profile button on the top right of the navigation bar on the homepage and they are logged in they are taken to the user profile page with the options to update their email, username or password.

The user can change their email by overwriting the email there with what they want to change it to and then pressing the update profile button if the email is accepted meaning that it follows all the conventions of an email like the “@” symbol then the user should receive a notification of profile updated successfully and then their email will be displayed as what they changed it to and this will also be reflected in the database and they can now login into the website sing that email.

User Profile

Profile updated successfully!

However if there is a problem, like missing an @ symbol, the user will receive a message telling them what is wrong



Please include an '@' in the email address. 'emiliobrienza1' is missing an '@'.

This is the same for the changing of a username with if its changed successfully they receive the same message as before and the new name is now displayed to the user an the new username is now used throughout the website instead of the old one.however it is different from the change email function as it doesn't check for things like a missing @ symbol instead it just checks if the field is filled and if it isn't the user gets this message.



Please fill in this field.

For the user to change their password they have to enter in their old password and then what they want to change their password to and if they correctly enter their old password and then a new password they will get the message password changed successfully and this is changed in the database and they can now login using that new password

Password changed successfully!

If the user puts in their old password successfully but doesnt put anything in for the new password this error message gets displayed to them

Leaderboard

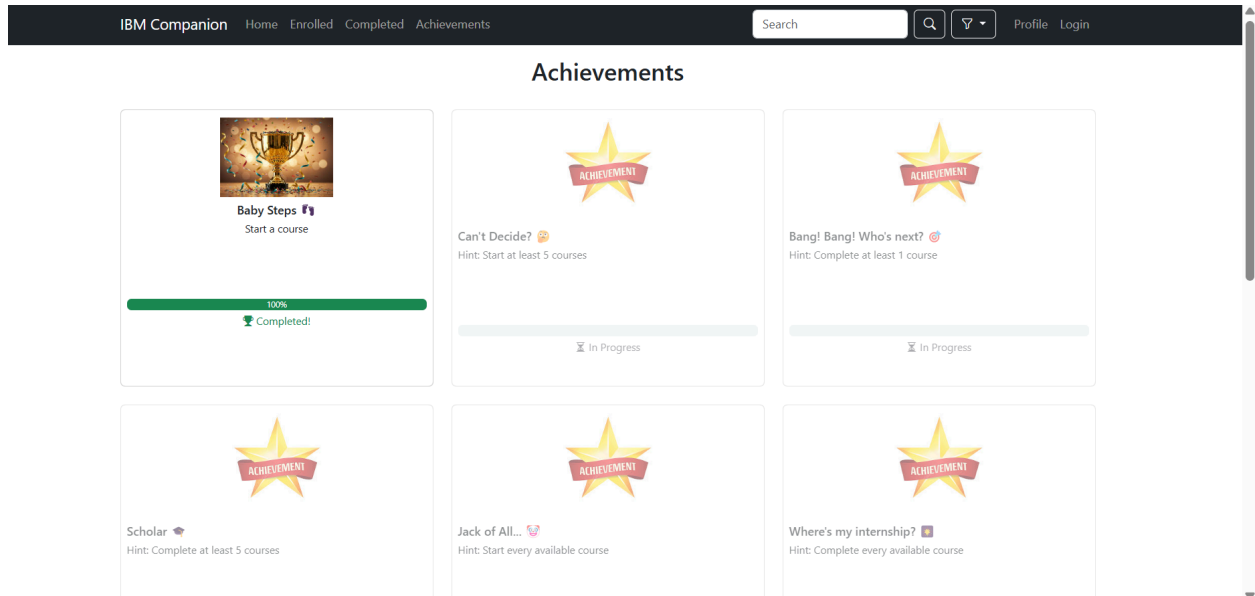
IBM Companion

Leaderboard

#	Username	Score
1	pinkman	1200
2	zac423	1000
3	riggs	600
4	skips	530
5	Heisenberg	480
6	pokemon	340
7	palmerio	300
8	zwp2	130
9	mordo	50
10	high_five_ghost	40
11	pops	30
12	i_have_zero_points_{	0

The leaderboard page registers every user that makes an account and lists them from best to worst using a point system, points are earned by using the IBM companion webapp. Users gain 10 points just by starting a course and get 50 points when they leave a rating and review of a course.

Achievements



The achievements page is designed to boost and improve motivation to work and gamify the website.

The achievements page can be accessed from the dashboard. The user will be sent to the “Leaderboard” page once they click on the said link on the navbar.

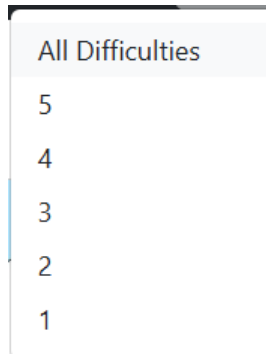
Awards will show as a notification once completed and add points to the user signed in to the leaderboard page

Uncompleted achievements appear hollow and greyed out.

To complete an achievement the the user must follow the instructions on the “Hint” given to them

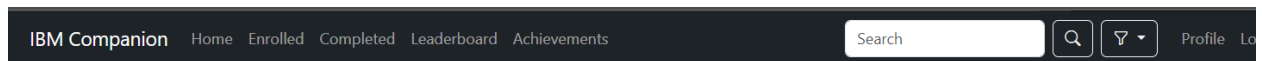
Search and filter courses

The search and filter courses allow the user to choose what course to look up depending on how challenging they want the task to be, going from 1 to 5 levels of difficulty.

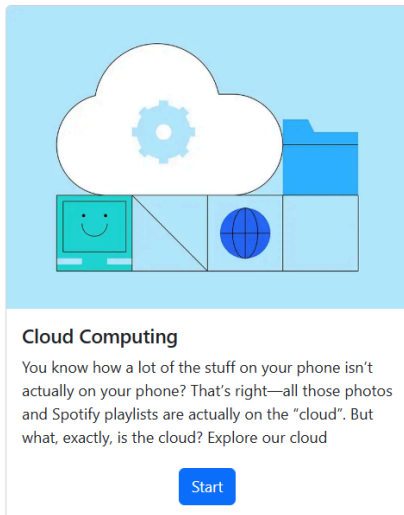


When difficulty 5 is picked, we can see that only these courses appear:

We can see that on difficulty 5, we can see that only cloud computing appears



Search Results:

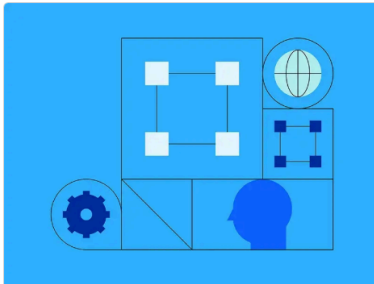


We can also search for courses using the search bar.

If the user clicks on the search bar at the top of the screen and searches for a course the required panel box will appear

In this example, we searched "BlockChain," and related courses appeared

Search Results:



BlockChain

Ever heard of Bitcoin? Well, blockchain is the technology that makes Bitcoin possible. It's a super fast-growing technology that has huge potential to change how all of our data and transactions are

[Start](#)

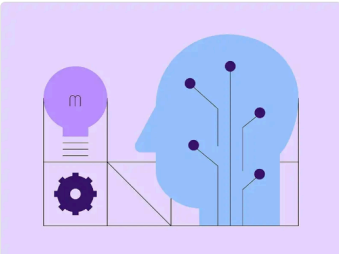
Emerging Technologies

Curious about tech but not sure where to focus? Start with Explore Emerging Tech which provides an introduction to six emerging technologies powering today's jobs: AI, blockchain, cloud computing,

[Start](#)

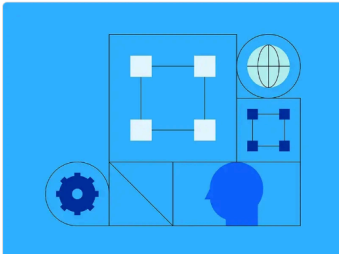
Record Start Times

Enrolled Courses



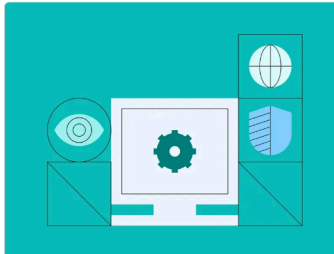
Artificial Intelligence
Started at: 2025-03-25T22:27:39.706080

Continue



BlockChain
Started at: 2025-03-25T22:28:41.750021

Continue

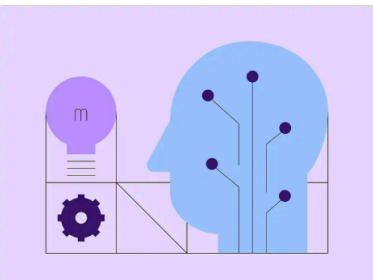


IT Support
Started at: 2025-03-25T22:28:46.752537

Continue

After the user presses start on a course, the exact date and time of when they started is recorded and this can then be shown to the user when they go to the enrolled tab by pressing the enrolled button on the navigation bar, There is also a progress bar that appears under each course enrolled:

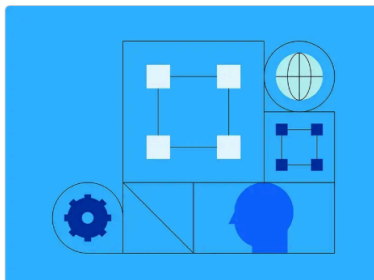
Available Courses:



Artificial Intelligence ★★★★★
You've probably heard about the artificial intelligence and machine learning algorithms that power your favorite apps with data science and deep learning techniques. But how much do you really know about

100.0% Remaining

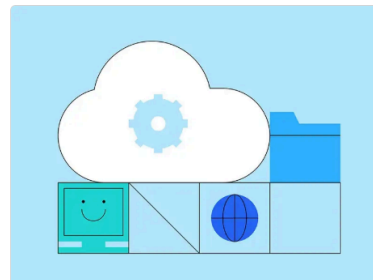
Start View Comments



BlockChain ★★★★★
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100.0% Remaining

Start View Comments



Cloud Computing ★★★★★
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100.0% Remaining

Start View Comments

Top 3 popular courses

IBM Companion

Home

Enrolled

Completed

Leaderboard

Achievements

Search


Q

▼

Profile

Login

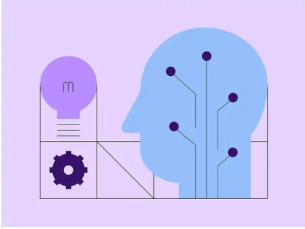
Popular Courses:



Cybersecurity ★★★★★

We're connected to the internet constantly. And every online interaction creates information. But what happens to it? How do we know that the personal information stored on our devices is safe? How do

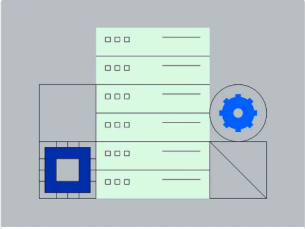
[Start](#) [View Comments](#)



Artificial Intelligence ★★★★★☆

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[Start](#) [View Comments](#)



Quantum Computing ★★★★★

Quantum computing uses quantum mechanics to solve really complex problems—the types of problems today's supercomputers can't handle. It has the potential to lead to major breakthroughs in fields

[Start](#) [View Comments](#)

Available Courses:

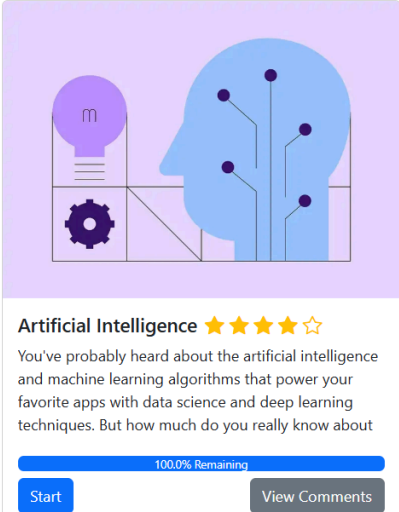
On the dashboard you can see above all the available courses the top 3 most popular courses and the 3 courses chosen to be here is decided by the averaged rating of each course and so the three courses with the highest rating placed at the top of the page and they are then displayed in descending order of rating as you can see in the screenshot above. The courses here work just like anywhere else on the dashboard, with the same description and options to start courses or look at or add comments.

Progress bars

The progress bar is an addition to boost the morale of the user by showing them how much of the course they have left.

The progress bar appears on the panel cards below its image and description. Once the progress bar is complete, it will resemble the following image

Available Courses:

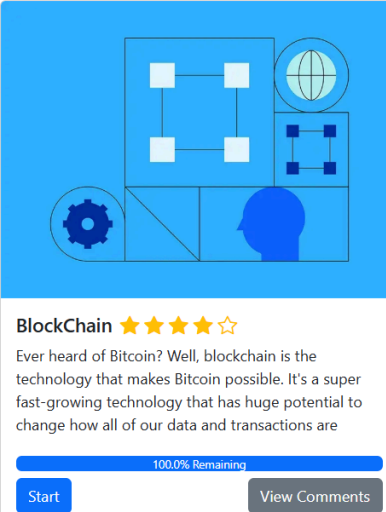


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[Start](#) [View Comments](#)



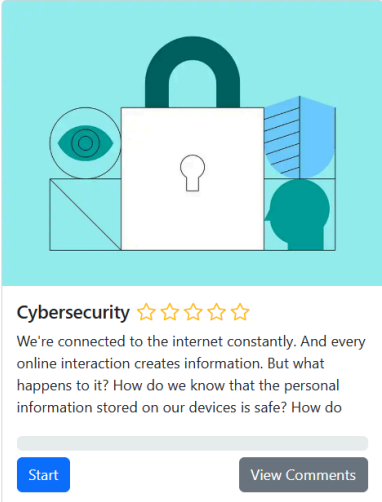
BlockChain ★★★★★

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100.0% Remaining

[Start](#) [View Comments](#)


If the course has not been started yet, the progress bar will appear as empty and look like the following image:



Cybersecurity ☆☆☆☆☆

We're connected to the internet constantly. And every online interaction creates information. But what happens to it? How do we know that the personal information stored on our devices is safe? How do

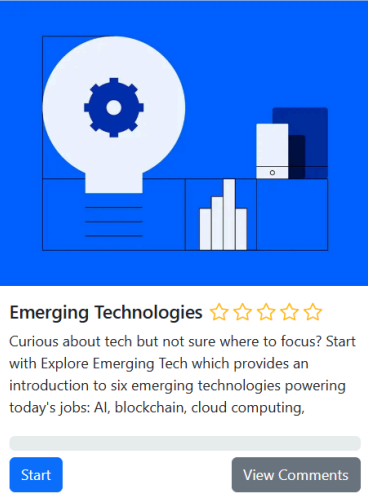
[Start](#) [View Comments](#)



Data Science ☆☆☆☆☆

Over five billion people around the world are online these days. And we're all creating tons of data every time we do a google search or open an app. But what happens to that data? How do companies make use

[Start](#) [View Comments](#)



Emerging Technologies ☆☆☆☆☆

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