

 Dashboard Catalog My Learning Authoring Assessments Grading Cohorts Skills Certificates Insights **Vignesh**
Learner 

Welcome back, Vignesh,

Your learning, teaching and credentialing — all in one workspace.

 **12**
Published courses  **3**
Courses in progress  **8**
Completed  **5**
Certificates earned 

Continue learning

[View all >](#)

Full-Stack Web Development 
Build modern web applications with React, Node.js and MongoDB.

45%

Continue



Introduction to Machine Learning 
Learn the core concepts and build ML models with Python.

70%

Continue

Explore the catalog

[View all courses >](#)

Beginner



HTML, CSS & JavaScript Fundamentals

Web Development



Intermediate



Data Structures & Algorithms in Python

Computer Science



Intermediate



DevOps Essentials with Docker & CI/CD

DevOps



Beginner



Python for Data Analysis

Data Science



Course Catalog

Browse and enrol in published courses across your workspace.

All levels

Beginner

Intermediate

Advanced

Expert

 Search courses...

Beginner



Full-Stack Web Development

Build modern web apps using React, Node.js and MongoDB.

Web Development

 2 mod · 8 lessons

 40 hrs

Beginner



Python Programming Fundamentals

Learn Python from scratch and build real-world applications.

Programming

 2 mod · 8 lessons

 30 hrs

Beginner



Data Analysis with Excel

Analyze data efficiently using Excel formulas, pivots and charts.

Data Analysis

 2 mod · 8 lessons

 25 hrs

Intermediate



AWS Cloud Practitioner

Understand AWS core services and build secure cloud solutions.

Cloud Computing

 2 mod · 8 lessons

 35 hrs

Intermediate



Docker & Kubernetes Essentials

Containerize applications and orchestrate with Kubernetes.

DevOps

 2 mod · 8 lessons

 40 hrs

Intermediate



SQL for Data Professionals

Write efficient SQL queries and work with relational databases.

Database

 2 mod · 8 lessons

 30 hrs

Advanced



Introduction to Machine Learning

Explore ML concepts and build models using scikit-learn.

Machine Learning

 2 mod · 8 lessons

 45 hrs

Advanced



Cybersecurity Essentials

Learn security principles and protect systems from threats.

Cybersecurity

 2 mod · 8 lessons

 35 hrs

Advanced



Mobile App Development with React Native

Build cross-platform mobile apps using React Native and Expo.

Mobile Development

 2 mod · 8 lessons

 40 hrs



Vignesh · Learner



Intermediate

Full-Stack Web Development

Build production web apps with React, TypeScript and GraphQL.

Full-Stack Web Development skill

2 modules · 4 lessons

40 hrs

web · react · typescript · graphql

Enrol



Your progress

0%

[Save for later](#)

Curriculum

[Expand all](#)

1 Front-End Foundations

- | | | | | |
|--|---------------------------------------|--------|-------------------------|-----------------------|
| | 1. Introduction to React & TypeScript | 12 min | Preview | ☐ |
| | 2. Components & Props | 12 min | | ☐ |
| | 3. State, Hooks & Events | 12 min | | ☐ |

2 APIs & Data

Tags

react · typescript · graphql · javascript · node.js · express · web development · full-stack · [+ Add tag](#)

Assessments



Front-End Foundations Quiz
Quiz · Published · Pass ≥ 70%

[Take](#)

Discussion

[View all](#)

Priya Sharma · 2 days ago

Great overview of React & TypeScript! The examples really helped clarify how props work.

[Reply](#) · 12



Write a reply...



ML Fundamentals

3 / 3 lessons

-   What is Machine Learning? 
Article • 8 min
-   Training & Evaluation 
Article • 10 min
-   Your First Model 
Article • 12 min

 [View module overview](#) Article

Training & Evaluation

Once we have collected and prepared our data, the next step is to train a machine learning model. Training is the process where the model learns patterns and relationships from the data so it can make predictions or decisions on new, unseen data.

We typically split our dataset into two parts: a training set and a test set. The training set is used to teach the model, while the test set evaluates how well the model performs on data it has never seen before. This helps us estimate how well the model will generalize in real-world scenarios.

Common evaluation metrics include accuracy, precision, recall, F1 score, and mean squared error, depending on the type of problem. Choosing the right metric is crucial because it aligns the model's performance with the business goal we care about.

Finally, model validation techniques like k-fold cross-validation help ensure our model is robust and not overfitting the training data.

 [train_eval_cheatsheet.pdf](#) PDF • 548 KB[← Previous](#) [Mark complete](#)[Next →](#)

Courses

In progress (2)

Completed (1)

All (3)



Introduction to Machine Learning

In progress

33%

Active 3 mins ago

Continue

Review



Full-Stack Web Development

In progress

100%

Active 3 mins ago

Continue

Review

Assessment results

Assessment	Attempt	Status	Feedback	Submitted	Score
 Machine Learning Quiz 1 Introduction to Machine Learning	Attempt 1	Graded Passed	Great understanding of core concepts!	12 Jun 2026, 10:24 AM	85%
 HTML, CSS & JS Assessment Full-Stack Web Development	Attempt 1	Graded Passed	Well structured code and good problem solving.	10 Jun 2026, 04:18 PM	92%

Certificates



Introduction to Machine Learning

Serial No. BMIQ-4F2A9

Issued 12 Jun 2026

Download PDF



Full-Stack Web Development

Serial No. BMIQ-4F2A9

Issued 12 Jun 2026

Download PDF

[Back to course](#)

Front-End Foundations Quiz



Quiz

Passing score
70%Time limit
20 min

2 of 3 answered

1

Single choice

What does a React component return?



UI (elements)



A database row



A CSS file

2

Multiple choice

Which hooks manage state?



useState



useReducer



useEffect



useRef

3

Short answer

Name the hook for side effects.



2 of 3 answered

Keep going! You're doing great.



Submit assessment



Vignesh · Educator



Online

Authoring

Create, curate and publish your workspace courses

[New course](#) [All](#)[Draft](#)[In review](#)[Published](#)[Archived](#)

Mine only

 Intermediate Published

Data Engineering Essentials

Build robust data pipelines and workflows.

 Data Engineering 2 mod •  6 lessons •  40 hrs Advanced Published

Machine Learning Foundations

Understand core ML concepts and algorithms.

 Machine Learning 2 mod •  6 lessons •  40 hrs Beginner Draft

Cloud Computing Basics

Learn cloud concepts and core services.

 Cloud Computing 2 mod •  6 lessons •  40 hrs Beginner In review

Frontend Development with React

Build interactive UIs using React and hooks.

 Frontend Development 2 mod •  6 lessons •  40 hrs Intermediate Published

UI/UX Design Principles

Design user-friendly and accessible interfaces.

 Design 2 mod •  6 lessons •  40 hrs Advanced Draft

Cybersecurity Fundamentals

Protect systems and data from cyber threats.

 Cybersecurity 2 mod •  6 lessons •  40 hrs

Full-Stack Web Development

Draft

Beginner

Archive

Publish

Details

Curriculum

Assessments

Discussion

Curriculum

Drag and drop modules to reorder

1 Module 1 · Front-End Foundations

+ Add lesson

	 Introduction to HTML	 25 min	Preview 		
	 Components & Props	 25 min	Preview 		
	 State & Effects	 25 min	Preview 		
	 Hands-on Lab: Build a Card	 25 min	Preview 		

2 Module 2 · Back-End Essentials

+ Add lesson

+ Add module

Course cover

Upload an image to represent your course



 Drag and drop an image here
or click to browse (16:9 ratio recommended)

 Replace cover

Course details

	Slug full-stack-web-development	>
	Language English	>
	Visibility Public	>
	Created May 10, 2024	>



Front-End Foundations Quiz

Quiz

Draft

Publish



Passing score
70%



Time limit
20 min



Max attempts
3



Graded
Yes

Questions (2)

+ Add question

1

Single choice

1 point



What does a React component return?



A string



UI (elements)



Correct



A number

2

Multiple choice

2 points



Which of the following are valid ways to style a React component? (Select all that apply.)



CSS Modules



Correct



Styled Components



Correct



Inline Styles



Tailwind CSS



Correct

Add question



Prompt

Enter your question prompt...

0 / 1000

Question type

Single choice



Options



Option 1



Option 2



Option 3



+ Add option

Answer key



Option 1



Points

1



Position

3



☒ Required question

Learners must answer to submit

Add question

Grading

Review and grade assessment submissions across every course

 Export



4

Submissions



2

Awaiting grade



1

Graded



1

Returned

All

Submitted

Grading

Graded

Returned

Learner	Assessment	Attempt	Status	Score	Submitted ↓
 James Anderson	Data Structures Quiz CS-201 · Quiz	1	Submitted	—	May 12, 2025 10:24 AM
 Sophia Martinez	AI Ethics Reflection AI-101 · Essay	1	Graded	92%	May 11, 2025 4:18 PM
 Liam Chen	Database Normalization CS-301 · Problem Set	2	Submitted	—	May 11, 2025 9:05 AM
 Olivia Thompson	Cloud Architecture CLOUD-201 · Project	1	Graded	88%	May 10, 2025 2:37 PM
 Noah Williams	JavaScript Fundamentals WEB-101 · Quiz	1	Returned	76%	May 9, 2025 11:12 AM

Showing 1 to 5 of 5 submissions

James Anderson

Data Structures Quiz

Attempt 1 · Submitted May 12, 2025 10:24 AM

Submission

Details

Answers (Read-only)

Q1. What is a linked list?	A linear data structure where elements are stored in nodes.
Q2. What is the time complexity of search in a binary search tree?	O(log n) average case
Q3. Which traversal visits nodes in Left, Root, Right order?	Inorder traversal
Q4. What is a hash table used for?	To store key-value pairs for fast retrieval.
Q5. What happens when a hash collision occurs?	It is resolved using chaining or open addressing.

Grade

Score (%)

100

Passed

Feedback

Enter feedback for the learner...

0 / 1000

Save Draft

Grade Submission

Cohorts

Scheduled, facilitator-led groups that move through a course together.

+ New cohort

All courses

All (3)

Scheduled (1)

Enrolling (1)

Active (1)

Completed

Cancelled

Cohort	Course	Capacity	Status	Starts	Ends	
 Spring 2026 Cohort	Full-Stack Web Development	30 seats	Enrolling	01 Sep 2026	15 Dec 2026	
 ML Bootcamp	Introduction to Machine Learning	25 seats	Active	05 May 2026	14 Aug 2026	
 Design Sprint	UX Foundations	20 seats	Scheduled	10 Nov 2026	20 Dec 2026	
Showing 3 of 3 cohorts						

New cohort

Create a new cohort and invite learners.

Course

Select a course

Cohort name

Enter cohort name

Capacity

Enter capacity

Facilitator

Select a facilitator

Start date

Select start date

End date

Select end date

Additional settings (optional)

+ Create cohort

Cancel

Skills

The competency taxonomy your courses map to — organized by category.

[+ New Skill](#)

 12 Skills |  10 Active |  2 Inactive

[All](#)[Technical](#)[Business](#)[Creative](#)[Cognitive](#)[Social](#)[Language](#)

Full-Stack Web Development

[Technical](#)

Design and build end-to-end web applications.

 Active



Machine Learning

[Technical](#)

Build models that learn from data and make predictions.

 Active



Public Speaking

[Cognitive](#)

Communicate ideas clearly and confidently to an audience.

 Active



UI/UX Design

[Creative](#)

Create user-centered designs that are beautiful and functional.

 Active



Data Analysis

[Technical](#)

Analyze datasets to extract insights and drive decisions.

 Active



Critical Thinking

[Cognitive](#)

Evaluate information and solve problems logically.

 Active



Digital Photography

[Creative](#)

Capture compelling images and tell stories visually.

 Active



Cloud Computing

[Technical](#)

Design, deploy, and manage scalable cloud solutions.

 Active



Effective Communication

[Cognitive](#)

Share ideas clearly and build strong relationships.

 Active



Certificates

Verifiable credentials issued to learners on course completion.

 Issue certificate

Mine

All

All courses

 Search certificates...



SERIAL	COURSE	LEARNER	STATUS	ISSUED ↓	EXPIRES	SCORE	PDF
BMIQ-4F2A9K	Python for Data Science	Arjun Patel	Issued	May 12, 2025	May 12, 2026	88%	 Download 
BMIQ-7G3K1D	React.js Fundamentals	Priya Sharma	Issued	May 10, 2025	May 10, 2026	92%	 Download 
BMIQ-9H8L2M	UI/UX Design Essentials	Rohan Mehta	Revoked	May 8, 2025	May 8, 2025	75%	 Download 
BMIQ-1J7N5Q	AWS Cloud Practitioner	Sneha Iyer	Expired	Apr 20, 2024	Apr 20, 2025	81%	 Download
BMIQ-3K6P8V	Data Structures & Algorithms	Karan Verma	Issued	Apr 18, 2025	Apr 18, 2026	90%	 Download 
BMIQ-5L9R2T	Node.js Developer	Ananya Reddy	Revoked	Apr 15, 2025	Apr 15, 2026	68%	 Download 
BMIQ-6M4U7Y	PostgreSQL Essentials	Vikram Singh	Expired	Mar 20, 2024	Mar 30, 2025	70%	 Download
BMIQ-8N1W3Z	Machine Learning Basics	Ishita Gupta	Issued	Mar 28, 2025	Mar 28, 2026	94%	 Download 

Showing 1 to 8 of 24 certificates

<

1

2

3

>

10 per page

Issue certificate

Course *

 Python for Data Science

Learner *

 Search learner by name or email...

Serial *

BMIQ-5D2K8Z

Automatically generated serial number.

Final score (%) *

88%

Enter final score achieved by the learner.

Expiry date *

May 12, 2026

Certificate will expire on this date.

Cancel

 Issue certificate

Insights

Learning analytics across your workspace — completion, engagement and outcomes.

 Last 30 days



12

Published courses



48

Active learners



62%

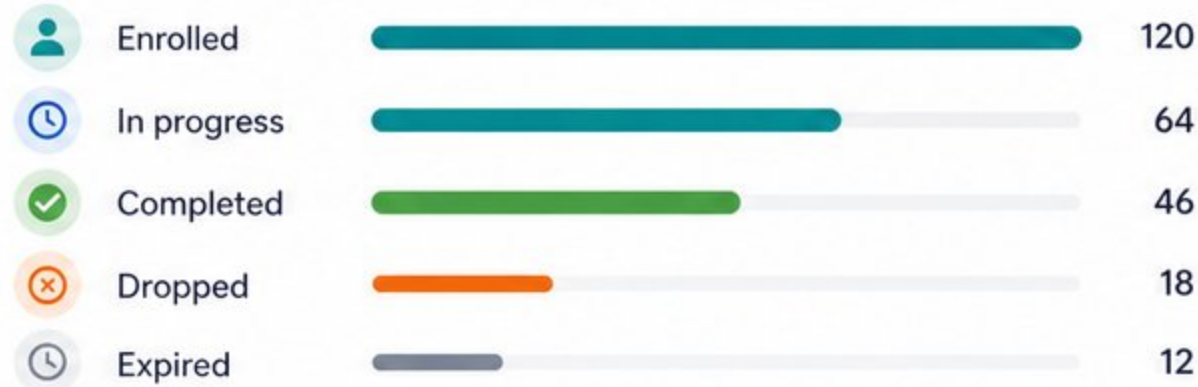
Completion rate



23

Certificates issued

Enrolment status



Average progress

58%

Assessment outcomes

Graded

34 / 40

Pass rate

76%



Top courses by enrolment



Learning Paths

Guided, multi-course journeys that build a target skill to mastery.



TARGET SKILL

Full-Stack Web Development

📖 5 courses • ⌚ 120 hrs

48%
complete

Continue path →

Your path: Become a Full-Stack Developer

1



HTML, CSS & JS
Fundamentals

✓ Complete

2



React
Essentials

✓ Complete

3



APIs with
GraphQL

60%

🔄 In Progress

4



Databases &
Prisma

🔒 Locked

5



Deploy &
DevOps

🔒 Locked



Estimated time remaining
62 hrs



Keep going!
2 courses to go



Current streak
7 days



Recommended Paths

[View all](#)



Data Scientist

6 courses • 140 hrs

35%

[Explore path >](#)



UX Designer

5 courses • 100 hrs

28%

[Explore path >](#)



Cloud Engineer

6 courses • 130 hrs

32%

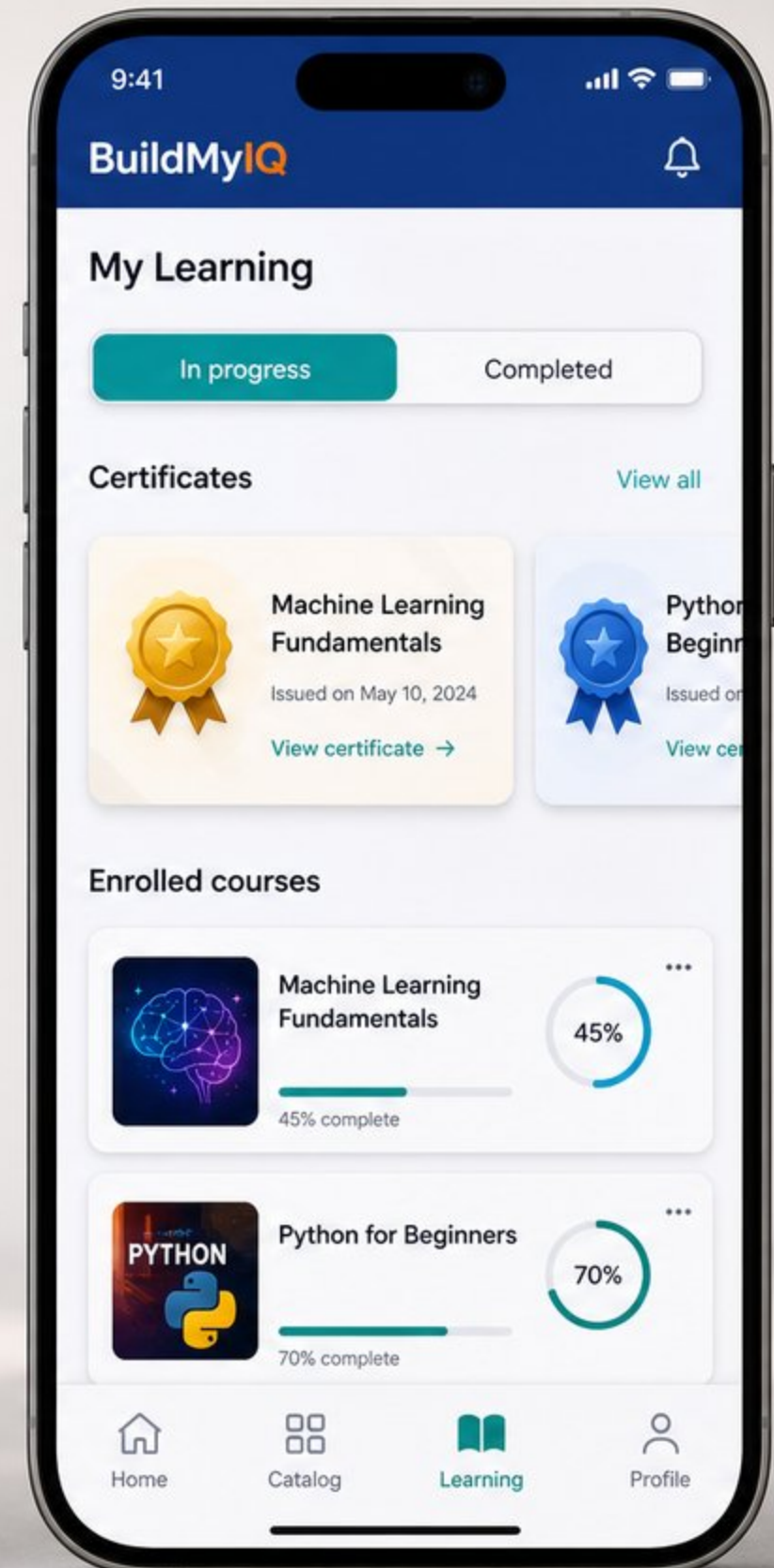
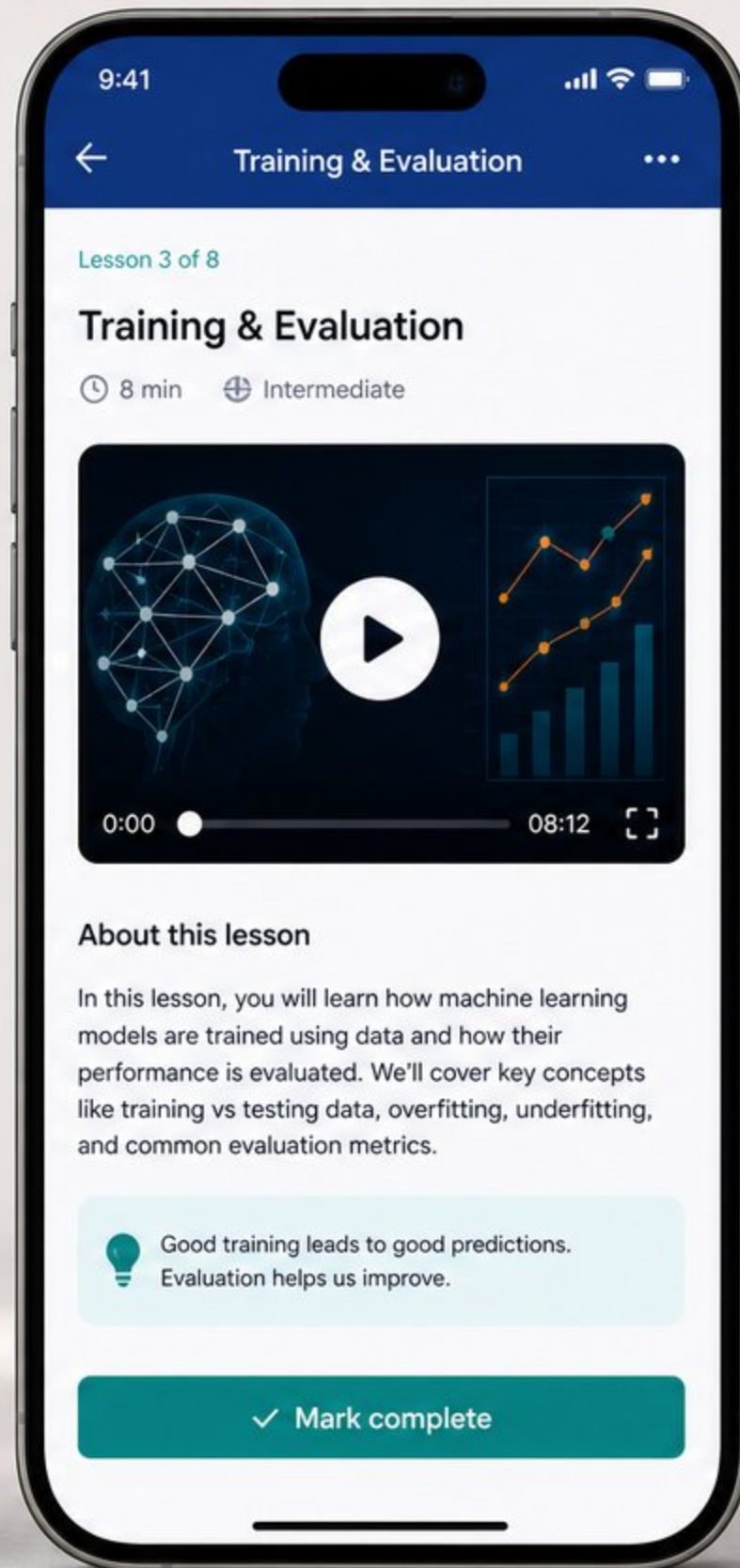
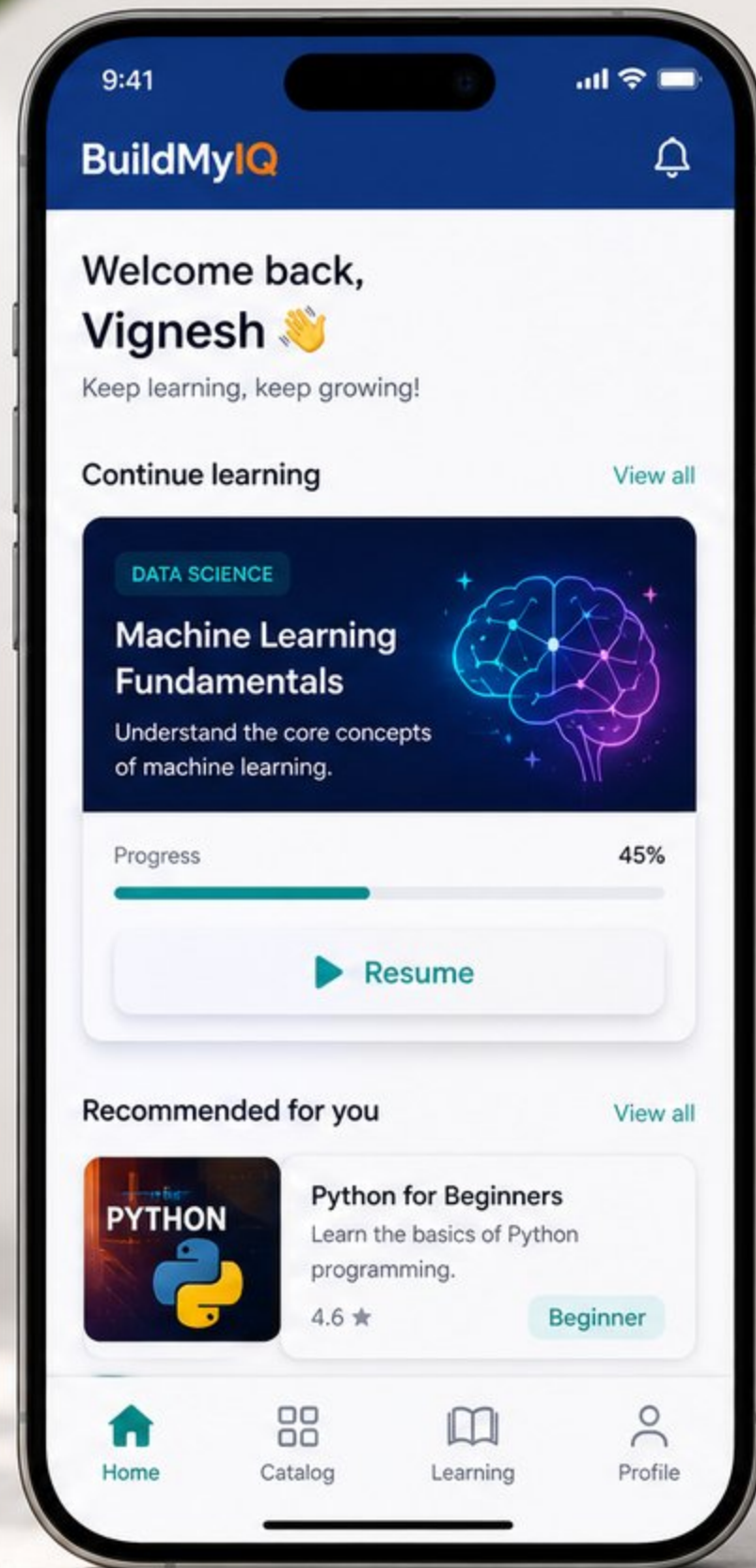
[Explore path >](#)



Not sure which path?

Take a quick assessment to get
personalized path recommendations.

[Take assessment >](#)



> Module 1
Describing Data



Module 2
Probability

Sample spaces

Conditional probability

Bayes rule

62%

Mark complete

Next

Conditional probability

Conditional probability measures how likely an event is once we already know that another event has happened. Writing it as $P(A \text{ given } B)$ makes the assumption explicit.

Dividing by $P(B)$ restricts attention to the outcomes where B is true, so the probabilities in that smaller world still add up to one.

Worked example

Two dice, sum is 8.
 $P(\text{first die is 3 given sum is 8}) = 1/5$



AI Tutor

Answers from this lesson

Why do we divide by $P(B)$ and not $P(A)$?



Think about which event you already know has happened. If you divide by $P(B)$, which set of outcomes are you keeping? Try naming that set for the dice example.

⚡ Extra step-by-step help - based on your recent scores

Conditional probability

Sample spaces

I tried it with the dice example and got $1/3$

Ask about this lesson...

Ask

18 of 500 tutor questions used this month



Northgate Academy



Global search



DM



Dashboard



Catalog



My Learning



Journeys



Authoring



Assessments



Grading



Cohorts



Skills



Certificates



Insights

BuildMyIQ grading queue

Grading / Statistics for Decision Making / Midterm Essay

Submissions queue

Learner	Assessment	Submitted	Attempt	Status
Priya Raman	Midterm Essay	12 Mar 09:41	1	Submitted
Tomas Vela	Midterm Essay	12 Mar 10:02	2	Submitted
Amara Osei	Midterm Essay	11 Mar 21:15	1	Graded 82
All	Submitted	Grading	Graded	Returned
24	11	2	11	0

Q3 - Explain why correlation does not imply causation (10 points)

Correlation is a mathematical relationship showing how two variables move together, while causation implies that one event directly results from the occurrence of the other.

The student correctly explains that a shared statistical trend doesn't prove a cause-and-effect link.

If one does not mention that correlation can simply allow for confounding variables, the explanation remains complete.

AI grading draft



Suggestion - review required

78 / 100

7 questions: 4 scored from answer key, 3 scored by AI

Q3 - 7.0 / 10

rubric used

The response correctly defined correlation but missed providing a specific example of spurious causation. Full points for the explanation of the concept but deduction for lack of concrete example.

Q5 - 5.5 / 8



Q7 - 9.0 / 10



Confidence 1.00 - all 3 open-ended questions returned a usable suggestion

Accept draft

Reject

Commit grade

AI cannot record a grade - committing is your action

Modules

 Dashboard

 Catalog

 My Learning

 Journeys

 Authoring

 Assessments

 Grading

 Cohorts

 Skills

 Certificates

 Insights

My Learning



Suggestion

Conditional probability - Module 2 Probability

Resuming after 8 of 14 completed lessons - next in sequence, position 9 of 14

Slow down - recent graded scores suggest taking the full lesson

Confidence 0.90 - based on your last 5 graded submissions

Open lesson

Not now

This suggestion never changes your progress on its own.

All 5

In progress 3

Completed 2

Statistics for Decision Making

62%



Continue

Foundations of Machine Learning

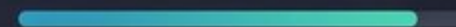
24%



Continue

Academic Writing

90%



Continue

Recent results

Quiz 2 - 58%



Problem set 3 - 64%



Quiz 1 - 71%



Dashboard

Catalog

My Learning

Journeys

Authoring

Assessments

Grading

Cohorts

Skills

Certificates

Insights

Tutor review

Insights / Tutor review

Editor access



Overview / Enrolment / Assessments / Tutor review

Course

Statistics for Decision Making

Lesson

All lessons

Learner

Search

Date range

1-31 Mar

Sessions

84

Turns

431

Tokens

186k

Questions the lesson did not cover

12

Learner	Course	Lesson	Turns	Last activity	Depth
Priya Raman	Statistics	Conditional probability	6	12 Mar 09:52	Extra help
Tomas Vela	Statistics	Bayes rule	3	11 Mar 18:04	Standard
Amara Osei	Statistics	Sample spaces	9	10 Mar 20:31	Deeper dive

Transcript

[Learner] Can you explain conditional probability again?

[AI Tutor] Of course! Conditional probability is the likelihood of an event occurring, given that another event has already occurred.

Conditional probability

Sample spaces

anthropic - claude-3-5-haiku - 412 in / 268 out

[Learner] How does it relate to Bayes' rule?

[AI Tutor] Bayes' rule uses conditional probability to update the probability of a hypothesis as more evidence becomes available.

Conditional probability

Sample spaces

anthropic - claude-3-5-haiku - 412 in / 268 out

Annotate

Roadmap

Redact

Roadmap

- Dashboard
- Catalog
- My Learning
- Journeys
- Authoring
- Assessments
- Grading
- Cohorts
- Skills
- Certificates
- Insights

Workspace settings

Plan & usage

Northgate Academy

Search

Starter

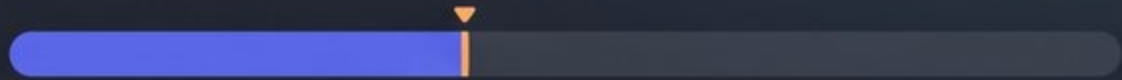


DM

Workspace settings / Plan & usage

AI tutor questions

206 / 500



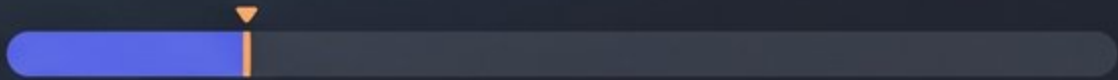
Resets 1 Apr - monthly



Checked before the provider is called

AI grading suggestions

67 / 300



Resets 1 Apr - monthly



Recent AI activity

When	Operation	Surface	Provider	Model	Tokens in	Tokens out	Learner
12 Mar 09:52	Tutor question	Conditional probability	anthropic	claude-3-5-haiku	412	268	Priya Raman
12 Mar 09:12	Grading suggestion	Midterm Essay	anthropic	claude-3-5-haiku	1,908	604	Tomas Vela
11 Mar 18:04	Tutor question	Bayes rule	anthropic	claude-3-5-haiku	388	231	Tomas Vela

Not metered

Next-lesson suggestions make no provider call and consume no AI quota

☐ Warn at 80% of a quota [Roadmap](#)

 Dashboard Catalog My Learning Journeys Authoring Assessments Grading Cohorts Skills Certificates Insights

Authoring /

Introduction to Data Ethics Draft

[Details](#) / [Curriculum](#) / [Assessments](#) / [Settings](#) Module 1
What data ethics is Why ethics in data Key frameworks

Add module

Add lesson

 Draft from objectives[Roadmap](#)

Explain informed consent in data collection
Identify bias in a training dataset
Apply a fairness checklist to a model release

Generate draft

 Module 2
Consent and collection

- Informed consent
- Purpose limitation

Keep

Discard

 Module 3
Bias and fairness

- Where bias enters
- Fairness checklists

Keep

Discard

Proposed assessment items

 Multiple choice - 2 points
Which of these is NOT informed consent?

rubric note

 Short answer - 5 points
Describe one bias you would look for in this dataset

rubric note