

Twitter Thread by [Hasan Toor](#) 🌟

[Hasan Toor](#) 🌟

[@hasantoxr](#)



Harvard University is offering free online courses.

No application or fee required.

Here are 10 FREE courses you don't want to miss:

1. Introduction to Computer Science

An introduction to the intellectual enterprises of computer science and the art of programming.

Check here ■

<https://t.co/cPTPFJbBPI>

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HARVARD UNIVERSITY

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CS50: Introduction to Computer Science

An introduction to the intellectual enterprises of computer science and the art of programming.

LEARN MORE on edX

January 1, 2019 – December 31, 2022

Free

Online

What you'll learn

- A broad and robust understanding of computer science and programming
- How to think algorithmically and solve programming problems efficiently
- Concepts like abstraction, algorithms, data structures, encapsulation, resource management, security, software engineering, and web development
- Familiarity with a number of languages, including C, Python, SQL, and JavaScript plus CSS and HTML
- How to engage with a vibrant community of like-minded learners from all levels of experience
- How to develop and present a final programming project to your peers

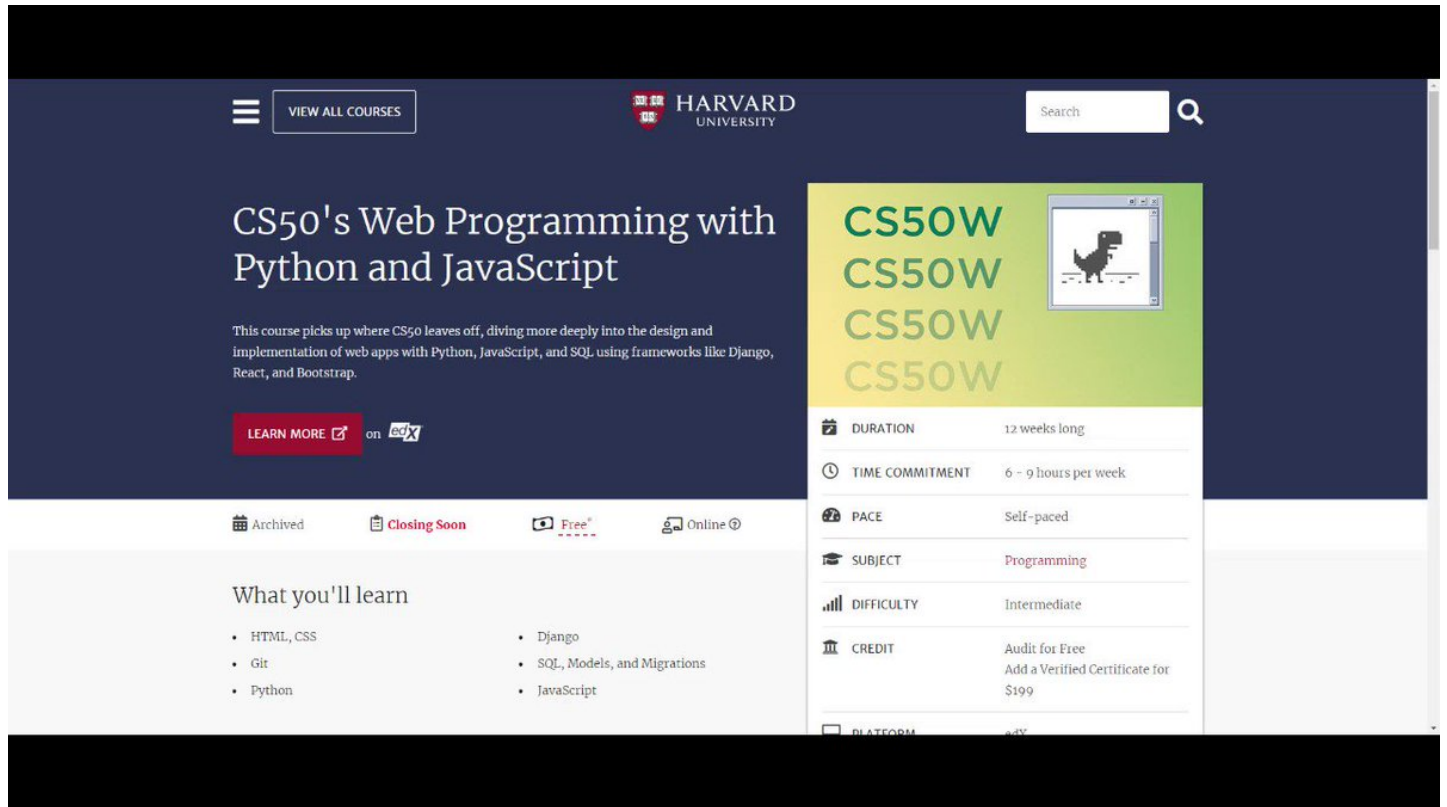
DURATION	11 weeks long
TIME COMMITMENT	10 - 20 hours per week
PACE	Self-paced
SUBJECT	Programming
COURSE LANGUAGE	English
VIDEO TRANSCRIPT	English
DIFFICULTY	Introductory
CREDIT	Audit for Free Add a Verified Certificate for \$495

2. Web Programming with Python and JavaScript

This course takes you deeply into the design and implementation of web apps with Python, JavaScript, and SQL using frameworks like Django, React, and Bootstrap.

Check here ■

<https://t.co/DemRj49O0l>



The screenshot shows the Harvard University course page for CS50's Web Programming with Python and JavaScript. The page features a dark blue header with the Harvard University logo and a search bar. The main content area is divided into two columns. The left column contains the course title, a brief description, and a 'LEARN MORE' button. The right column contains a green box with the course title repeated four times, a small image of a dinosaur, and a list of course details including duration, time commitment, pace, subject, difficulty, and credit. Below the main content area, there are filters for 'Archived', 'Closing Soon', 'Free', and 'Online'. The 'What you'll learn' section lists topics such as HTML, CSS, Python, Django, SQL, Models, and Migrations, and JavaScript.

CS50's Web Programming with Python and JavaScript

This course picks up where CS50 leaves off, diving more deeply into the design and implementation of web apps with Python, JavaScript, and SQL using frameworks like Django, React, and Bootstrap.

LEARN MORE on edX

CS50W
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DURATION 12 weeks long

TIME COMMITMENT 6 - 9 hours per week

PACE Self-paced

SUBJECT Programming

DIFFICULTY Intermediate

CREDIT Audit for Free
Add a Verified Certificate for \$199

What you'll learn

- HTML, CSS
- Git
- Python
- Django
- SQL, Models, and Migrations
- JavaScript

3. Introduction to Programming with Scratch

A gentle introduction to programming that prepares you for subsequent courses in coding.

Check here ■

<https://t.co/r0iwWNMIXD>

4. Introduction to Programming with Python

An introduction to programming using Python, a popular language for general-purpose programming, data science, web programming, and more.

Check here ■

<https://t.co/4JCHtRSXt6>

5. Understanding Technology

This is CS50's introduction to technology for students who don't (yet!) consider themselves computer persons.

Check here ■

<https://t.co/wKHEqi72lv>

The screenshot shows the Harvard University course page for CS50's Understanding Technology. The page features a dark blue header with the Harvard University logo and a search bar. The main content area is divided into two columns. The left column contains the course title 'CS50's Understanding Technology' and a description: 'This is CS50's introduction to technology for students who don't (yet!) consider themselves computer persons.' Below this is a 'LEARN MORE' button with an external link icon and the edX logo. The right column features a green and blue graphic with the text 'CS50T' repeated four times and an image of a laptop. Below the graphic is a table of course details:

DURATION	6 weeks long
PACE	Self-paced
SUBJECT	Programming
COURSE LANGUAGE	English
VIDEO TRANSCRIPT	English
DIFFICULTY	Introductory
CREDIT	Audit for Free Add a Verified Certificate for \$299

Below the course details is a 'What you'll learn' section with two columns of bullet points:

- Internet
- Multimedia
- Security
- Web Development
- Programming

At the bottom of the page, there is another 'LEARN MORE' button with an external link icon and the edX logo. A navigation bar above the 'What you'll learn' section includes filters for 'Archived', 'Closing Soon', 'Free', and 'Online'.

6. Introduction to Artificial Intelligence with Python

Learn to use machine learning in Python in this introductory course on artificial intelligence.

Check here ■

<https://t.co/uwoNh5YMXW>

The screenshot shows the Harvard University course page for CS50's Introduction to Artificial Intelligence with Python. The page features a dark blue header with the Harvard University logo and a search bar. The main content area is divided into several sections:

- Course Title:** CS50's Introduction to Artificial Intelligence with Python
- Description:** Learn to use machine learning in Python in this introductory course on artificial intelligence.
- Buttons:** "LEARN MORE" and "on edX".
- Filters:** "Archived", "Closing Soon", "Free", and "Online".
- What you'll learn:**
 - Graph search algorithms
 - Reinforcement learning
 - Machine learning
 - Artificial intelligence principles
 - How to design intelligent systems
 - How to use AI in Python programs
- Course Details:**
 - DURATION:** 7 weeks long
 - TIME COMMITMENT:** 10 - 30 hours per week
 - PACE:** Self-paced
 - SUBJECT:** Computer Science
 - COURSE LANGUAGE:** English
 - VIDEO TRANSCRIPT:** English
 - DIFFICULTY:** Introductory

7. Introduction to Game Development

Learn about the development of 2D and 3D interactive games in this hands-on course, as you explore the design of games such as Super Mario Bros., Pokémon, Angry Birds, and more.

Check here ■

<https://t.co/uSNS8u5hse>



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CS50's Introduction to Game Development

Learn about the development of 2D and 3D interactive games in this hands-on course, as you explore the design of games such as Super Mario Bros., Pokémon, Angry Birds, and more.

LEARN MORE on edX

June 30, 2018 – December 31, 2022

Free*

Online

What you'll learn

- Principles of 2D and 3D graphics, animation, sound, and collision detection
- Unity and LÖVE 2D
- Lua, C#
- Basics of game design and development

LEARN MORE on edX

CS50G
CS50G
CS50G
CS50G



DURATION 12 weeks long

TIME COMMITMENT 6 - 9 hours per week

PACE Self-paced

SUBJECT Programming

COURSE LANGUAGE English

VIDEO TRANSCRIPT English

DIFFICULTY Intermediate

8. CS50's Computer Science for Business Professionals

This is CS50's introduction to computer science for business professionals.

Check here ■

<https://t.co/dZWQG7yvwf>

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CS50's Computer Science for Business Professionals

This is CS50's introduction to computer science for business professionals.

LEARN MORE 🔗

 on

📅 Archived
📅 Closing Soon
📺 Free*
🏠 Online

What you'll learn

- Computational thinking
- Programming languages
- Internet technologies
- Web Development
- Technology stacks
- Cloud computing

LEARN MORE 🔗

 on

CS50B

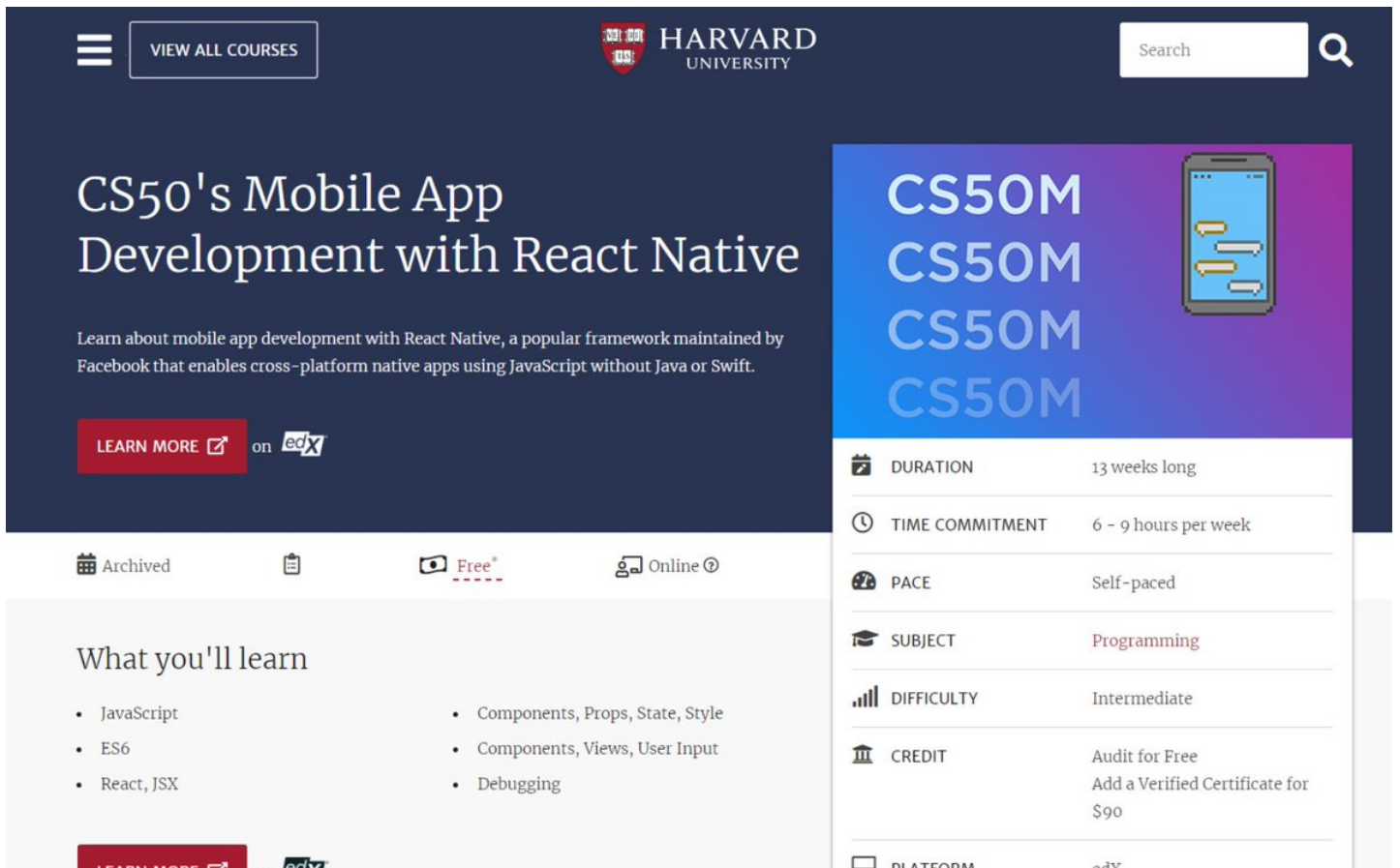
📅 DURATION	6 weeks long
🕒 PACE	Self-paced
🎓 SUBJECT	Programming
💬 COURSE LANGUAGE	English
📺 VIDEO TRANSCRIPT	English
📊 DIFFICULTY	Introductory
🏠 CREDIT	Audit for Free Add a Verified Certificate for \$100

9. Mobile App Development with React Native

Learn about mobile app development with React Native, a popular framework maintained by Facebook that enables cross-platform native apps using JavaScript without Java or Swift.

Check here ■

<https://t.co/4stZkylwbr>



CS50's Mobile App Development with React Native

Learn about mobile app development with React Native, a popular framework maintained by Facebook that enables cross-platform native apps using JavaScript without Java or Swift.

LEARN MORE on **edX**

Archived Free* Online

What you'll learn

- JavaScript
- ES6
- React, JSX
- Components, Props, State, Style
- Components, Views, User Input
- Debugging

DURATION	13 weeks long
TIME COMMITMENT	6 - 9 hours per week
PACE	Self-paced
SUBJECT	Programming
DIFFICULTY	Intermediate
CREDIT	Audit for Free Add a Verified Certificate for \$90
PLATFORM	edX

10. Introduction to Data Science with Python

Join Harvard University instructor Pavlos Protopapas in this online course to learn how to use Python to harness and analyze data.

Check here ■

<https://t.co/L2EtWG8kob>



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Introduction to Data Science with Python

Join Harvard University instructor Pavlos Protopapas in this online course to learn how to use Python to harness and analyze data.

[LEARN MORE](#) on edX



DURATION	8 weeks long
TIME COMMITMENT	3 - 4 hours per week
PACE	Self-paced
SUBJECT	Computer Science
DIFFICULTY	Intermediate
CREDIT	Verified Certificate
TOPIC(S)	COMPUTER SCIENCE

October 26, 2022 - October 25, 2023

\$199

Online

What you'll learn

- Gain hands-on experience and practice using Python to solve real data science challenges
- Practice Python coding for modeling, statistics, and storytelling
- Utilize popular libraries such as Pandas
- Run basic machine learning models using Python, evaluate how those models are performing, and apply those models to real-world problems
- Build a foundation for the use of Python in machine learning and artificial