



IBM FUTURE IN AI (MOD4)

Module 4

Helpful resources and getting started

Learning objectives

After completing this module, you should be able to:

- Identify resources to learn more and stay up to date in the field of artificial intelligence

Resources to explore

This lesson is intended to provide you with inspiration for future exploration.

Here are some resources you can explore, bookmark, and keep in mind if you would like to explore more about AI and stay in touch with the latest developments in the field. This is a curated listing. There are many organizations and websites to explore, depending on your interests.

- **Professional organizations to consider**
 - The Association for the Advancement of Artificial Intelligence (AAAI) promotes research in and responsible use of artificial intelligence.

AAAI also works to increase public understanding of artificial intelligence, improve the teaching and training of AI practitioners, and provide guidance for research planners and funders concerning the importance and potential of current AI developments and future directions.

- The International Neural Network Society (INNS) is an organization for individuals interested in a theoretical and computational understanding of the brain and applying that knowledge to develop new and more effective forms of machine intelligence.
- The Data Science Association seeks to improve the data science profession, eliminate bias, enhance diversity, and advance ethical data science throughout the world.
- CODATA is the Committee on Data of the International Science Council (ISC). CODATA's mission is to connect data and people to advance science and improve our world.
- The Association of Data Scientists (ADaSci) is a global professional body of data science and machine learning professionals.

- **Publications to explore**

- The Journal of Machine Learning Research (JMLR) is an international forum for the electronic and paper publication of high-quality scholarly articles in all areas of machine learning. All published papers are freely available online.
- The Journal of Artificial Intelligence Research (JAIR) encompasses all areas of AI, including agents and multi-agent systems, automated reasoning, constraint processing and search, knowledge representation, machine learning, natural language, planning and scheduling, robotics and vision, and uncertainty in AI.
- AI Magazine has been called the “journal of record for the AI community”. AI Magazine helps AAAI members stay abreast of significant new research and literature across the entire field of artificial intelligence.

- **News and blogs to stay current**

- Analytics Insight offers insights, latest news, and a magazine featuring opinions and views of top industry leaders and executives who share their journeys, experiences, success stories, and knowledge to grow profitable businesses.

- [Towards Data Science](#) is an online publication in which independent authors who follow their rules and guidelines can publish their work, share their knowledge and expertise, and engage a wide audience on [Medium](#).
 - [KDnuggets](#) is a leading site on data science, machine learning, AI, and analytics. It contains excellent tutorial materials, courses, webinars, online events.
 - [Data Science Central](#) is a leading online resource for data practitioners. From statistics and analytics to machine learning and AI, Data Science Central provides a community experience that includes a rich editorial platform, social interaction, forum-based support, and the latest information on technology, tools, trends, and careers.
 - [Datanami](#) is a news portal dedicated to providing insight, analysis, and up-to-the-minute information about emerging trends and solutions in big data.
- **Free learning opportunities to build skills**

Note: You will need to sign up for a free account for the following online learning opportunities.

- [Kaggle](#) offers free online micro courses to help you gain the skills you need to do independent data science projects. Kaggle also allows you to grow your data science and machine learning skills by competing in Kaggle competitions. Find help in the [documentation](#) or learn about [Community Competitions](#).
- Udemy offers a variety of free video-based courses on artificial intelligence, including a short, practical hands-on course on artificial intelligence, called [Kickstart Artificial Intelligence](#). Udemy also offers a course called [Artificial Intelligence: Preparing Your Career for AI](#), which covers what you should be doing now to prepare for the coming of AI.
- [freeCodeCamp.org](#) offers a rundown of [All the Math You Need to Know in Artificial Intelligence](#). Jason Dsouza gives you an overview of the core math principles you need to focus on to work in AI. You'll find other free learning opportunities on [freeCodeCamp](#).
- [DataCamp](#) offers a free, two-hour [Machine Learning for Everyone](#) course which introduces machine learning without coding involved.
- [W3Schools](#) is the world's largest web developer site that offers a variety of free online tutorials with hands-on practice. The site includes tutorials on

some popular data science programming languages, such as Python, R, and SQL.

- Codecademy offers free coding classes on 12 different programming languages including Python, Java, and C++.

You can also take advantage of IBM SkillsBuild to power your future in tech with job skills, courses, digital credentials, and more.

Check this out...

| [uplaoded on github](#)

You have so many opportunities! If learning about AI systems intrigues you, there are great resources available to help you understand even the most sophisticated concepts. There are many courses—some face-to-face and others online—that can build your AI programming language skills. An internet search of places near where you live should turn up clubs and online organizations of people like yourself—people who want to share what they’re learning in collaborative clubs and projects.

Getting started in the field

What’s next? What can you do to perhaps get started in the field of AI?

The path to becoming an AI professional is different for everyone. Depending on your interests and experience, if you are considering a career in AI, consider these general strategies.

- **Expand your knowledge!** The more you become familiar with AI, the more opportunities will be available for you to explore. Try researching what interests you, in terms of types of analytics, statistics, AI, different industries, the latest AI initiatives that are making an impact, and so on.
- **Continue learning!** This is the beginning of your learning experience. You can continue by searching online for additional learning opportunities and check out those presented in this course. Research and determine the education requirements for what you want to do.
- **Explore opportunities!** If you are seeking employment, you can start exploring the job marketplace. Check out online job postings to identify common

requirements and qualifications. Get a sense of which jobs might appeal to you in the future, and work to meet the qualifications.