Best AI Courses After 12th: A Guide to Kickstart Your Career in Artificial Intelligence

Summary: This guide highlights the top AI courses available after completing 12th standard, including undergraduate degrees, diplomas, and online certifications. Learn about the benefits of pursuing AI education, the skills developed, and the promising career opportunities in various industries, making it an ideal choice for aspiring AI professionals.

Introduction

As Artificial Intelligence (AI) continues to revolutionise various industries, the demand for skilled professionals in this field is rapidly growing. If you're a student who has just completed their 12th standard and are interested in pursuing a career in AI, now is the perfect time to explore the best AI courses available.

In this blog post, we'll guide you through the [top AI courses after 12th](), their benefits, and how they can help you kickstart your career in this exciting field.

Understanding AI Courses After 12th

After completing your 12th standard, you have several options when it comes to pursuing AI courses. These courses range from undergraduate degrees to online certifications and diplomas. Here are some of the most popular AI courses you can consider:

Bachelor of Science (B.Sc.) in Computer Science with Specialization in AI

This undergraduate degree program provides a strong foundation in computer science and focuses on AI-specific topics such as machine learning, neural networks, and natural language processing.

Bachelor of Technology (B.Tech.) in Computer Science and Engineering with Specialization in AI

Similar to the B.Sc. program, this engineering degree offers a more technical approach to AI, covering advanced topics like deep learning and robotics.

Diploma and Certificate Courses in AI

These short-term programs, offered by both online platforms and educational institutions, provide an introduction to AI concepts and practical applications. They are ideal for students who want to gain a basic understanding of AI or upskill in specific areas.

Online Courses and Specializations

Platforms like Coursera, edX, and Udemy offer a wide range of online courses and specializations in AI, catering to different levels of expertise. These courses are self-paced and flexible, allowing you to learn at your own convenience.

Benefits of Pursuing AI Courses After 12th

Choosing to pursue AI courses after 12th offers several advantages that can significantly impact your career prospects:

Hands-on Experience

Many AI courses, especially undergraduate programs, provide opportunities for hands-on projects, internships, and research, allowing you to apply your knowledge in real-world scenarios.

Exposure to Latest Technologies

AI is a rapidly evolving field, and by pursuing dedicated courses, you'll stay updated with the latest technologies, tools, and best practices, making you more competitive in the job market.

Versatility

AI skills are applicable across various industries, from healthcare and finance to retail and manufacturing. By mastering AI, you open doors to a wide range of career opportunities.

Higher Earning Potential

AI professionals are in high demand and often command higher salaries compared to other fields. According to Glassdoor, the average base salary for an AI Engineer in India is around ₹1,200,000 per year.

Continuous Learning

AI is a field that thrives on continuous learning. By pursuing AI courses, you'll develop a growth mindset and the ability to adapt to new technologies and challenges throughout your career.

Top AI Courses After 12th

Explore the top AI courses available after 12th standard, including undergraduate degrees, diplomas, and online certifications, designed to equip students with essential skills for a successful career in Artificial Intelligence.

Bachelor of Science (B.Sc.) in Computer Science with Specialization in AI
Offered by: Indian Institute of Technology (IIT), Hyderabad
Duration: 4 years
Eligibility: 10+2 or equivalent with Physics, Chemistry, and Mathematics

Bachelor of Technology (B.Tech.) in Computer Science and Engineering with Specialization in AI

Offered by: Vellore Institute of Technology (VIT)

Duration: 4 years

Eligibility: 10+2 or equivalent with Physics, Chemistry, and Mathematics

Postgraduate Diploma in Artificial Intelligence and Machine Learning

Offered by: IIIT Bangalore

Duration: 1 year

Eligibility: Bachelor's degree in any discipline with a minimum of 50% marks

Executive Programme in Artificial Intelligence and Machine Learning

Offered by: IIT Roorkee

Duration: 6 months

Eligibility: Bachelor's degree in any discipline with a minimum of 50% marks

Artificial Intelligence Engineer Master's Program

Offered by: Simplilearn

Duration: Self-paced

Eligibility: Bachelor's degree in any discipline

Additionally, if you wish to pursue a career in AI, acquiring fundemnatl skills in Data Science can be helpful. Hence, you can consider joining the following program by Pickl.AI

Data Science Job Guarantee Program

Offered by: Pickl.AI

Duration: 1 year

Eligibility: Bachelor's degree in any discipline or working professionals looking for transition into Data Science.

Curriculum and Skills Developed

The curriculum of AI courses typically covers a wide range of topics, focusing on essential topics like Machine Learning, Deep Learning, and Natural Language Processing, while developing critical skills such as problem-solving, analytical thinking, and effective communication, including:

- Fundamentals of Computer Science: Programming languages, data structures, and algorithms
- Machine Learning: Supervised and unsupervised learning, regression, and classification
- Deep Learning: Neural networks, convolutional neural networks, and recurrent neural networks
- Natural Language Processing: Text processing, sentiment analysis, and language generation
- Computer Vision: Image and video processing, object detection, and recognition
- Robotics: Kinematics, control systems, and autonomous navigation

In addition to these technical skills, AI courses also focus on developing problem-solving abilities, critical thinking, and effective communication skills, which are essential for success in the field.

Career Prospects and Job Opportunities

Pursuing AI courses after 12th opens up a wide range of career opportunities in various industries. Some of the most in-demand AI-related jobs include:

- AI Engineer: Responsible for developing and deploying AI systems
- Machine Learning Engineer: Focuses on building and optimizing machine learning models
- Data Scientist: Collects, analyses, and interprets complex data to derive insights
- Computer Vision Engineer: Specializes in developing computer vision applications
- Natural Language Processing Scientist: Develops systems that can understand and generate human language

These roles offer competitive salaries and opportunities for growth and advancement within the AI industry.

Conclusion

In conclusion, pursuing AI courses after 12th is an excellent way to kickstart your career in this rapidly evolving field. By choosing from a wide range of programs, from undergraduate degrees to online certifications, you can gain the necessary skills and knowledge to become a successful AI professional.

With the increasing demand for AI talent and the versatility of the field, investing in AI education can lead to a rewarding and [fulfilling career path](#).

Frequently Asked Questions

What are the Eligibility Criteria for AI Courses After 12th?

Eligibility criteria for AI courses typically require students to have completed their 12th standard with a focus on science subjects, particularly Physics, Chemistry, and Mathematics. Some programs may also require a minimum percentage in these subjects, while others may consider entrance exam scores for admission.

What Career Opportunities are Available After Completing AI Courses?

After completing AI courses, graduates can pursue various career opportunities, including roles such as AI Engineer, Machine Learning Engineer, Data Scientist, Computer Vision Engineer, and Natural Language Processing Scientist. These positions are in high demand across industries like healthcare, finance, technology, and automotive, offering competitive salaries.

Are Online AI Courses Effective for Learning?

Yes, online AI courses can be highly effective for learning, offering flexibility and access to high-quality content from reputable institutions. Many platforms provide hands-on projects, interactive exercises, and community support, allowing learners to grasp complex concepts and apply their knowledge in real-world scenarios effectively.