



iUniversity
BY IYDA

Artificial Intelligence & Machine Learning Bootcamp

iUniversity by IYDA

Duration	6 Months
Course Hours of Learning	240 Hours
Mode	Online / Offline / Hybrid
Eligibility	10+2 / Graduate / Working Professionals
Level	Beginners to Advanced

Module 1: Introduction to Artificial Intelligence

Hands-on learning through practical assignments, projects, and real-world applications.

Module 2: Python Programming for AI & ML

Hands-on learning through practical assignments, projects, and real-world applications.

Module 3: Mathematics for Machine Learning

Hands-on learning through practical assignments, projects, and real-world applications.

Module 4: Data Preprocessing and Visualization

Hands-on learning through practical assignments, projects, and real-world applications.

Module 5: Supervised Machine Learning

Hands-on learning through practical assignments, projects, and real-world applications.

Module 6: Unsupervised Machine Learning

Hands-on learning through practical assignments, projects, and real-world applications.

Module 7: Deep Learning Fundamentals

Hands-on learning through practical assignments, projects, and real-world applications.

Module 8: Neural Networks and TensorFlow

Hands-on learning through practical assignments, projects, and real-world applications.

Module 9: Natural Language Processing (NLP)

Hands-on learning through practical assignments, projects, and real-world applications.

Module 10: Computer Vision

Hands-on learning through practical assignments, projects, and real-world applications.

Module 11: Model Deployment and MLOps

Hands-on learning through practical assignments, projects, and real-world applications.

Module 12: Capstone Project and Industry Case Studies

Hands-on learning through practical assignments, projects, and real-world applications.

Tools & Technologies Covered:

- Python
- NumPy
- Pandas
- Matplotlib
- Scikit-learn
- TensorFlow
- Keras
- Jupyter Notebook
- Google Colab
- GitHub

Career Opportunities:

- AI Engineer
- Machine Learning Engineer
- Data Scientist
- AI Developer
- NLP Engineer
- Computer Vision Engineer
- Business Intelligence Analyst