



**iUniversity**  
BY IYDA

## Deep Learning & Computer Vision Bootcamp

### iUniversity by IYDA

Duration	6 Months
Course Hours of Learning	220 Hours
Mode	Online / Offline / Hybrid
Eligibility	10+2 / Graduate / Working Professionals
Level	Beginners to Advanced
Certification	Certificate of Completion from iUniversity by IYDA

#### ***Module 1: Introduction to Deep Learning***

Hands-on training through practical labs, projects, and real-world applications.

#### ***Module 2: Python for Deep Learning***

Hands-on training through practical labs, projects, and real-world applications.

#### ***Module 3: Neural Networks Fundamentals***

Hands-on training through practical labs, projects, and real-world applications.

#### ***Module 4: TensorFlow and Keras***

Hands-on training through practical labs, projects, and real-world applications.

#### ***Module 5: Convolutional Neural Networks (CNNs)***

Hands-on training through practical labs, projects, and real-world applications.

#### ***Module 6: Image Processing Techniques***

Hands-on training through practical labs, projects, and real-world applications.

#### ***Module 7: Computer Vision Fundamentals***

Hands-on training through practical labs, projects, and real-world applications.

#### ***Module 8: Object Detection and Recognition***

Hands-on training through practical labs, projects, and real-world applications.

### ***Module 9: Image Segmentation***

Hands-on training through practical labs, projects, and real-world applications.

### ***Module 10: Transfer Learning and Pre-trained Models***

Hands-on training through practical labs, projects, and real-world applications.

### ***Module 11: Model Deployment and Optimization***

Hands-on training through practical labs, projects, and real-world applications.

### ***Module 12: Capstone Project and Industry Case Studies***

Hands-on training through practical labs, projects, and real-world applications.

### ***Tools & Technologies Covered:***

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

### ***Career Opportunities:***

- Deep Learning Engineer
- Computer Vision Engineer
- AI Engineer
- Machine Learning Engineer
- Research Associate
- Data Scientist
- Image Processing Specialist