

Unleashing the Power of Neural Networks:

A DEEP DIVE INTO DEEP LEARNING



DEEP LEARNING

COURSE MISSION

SevenMentor Institute leads the way in providing cutting-edge IT Training and Skill Development across India. We have strived to establish an ideal learning atmosphere at all our training centers. We prepare our students to become dependable future professionals. Our institute aspires to promote universal access to learning for students. To achieve our mission of promoting better learning we invite all students to enroll in our Deep Learning Course. Join us today to make a fulfilling career in Deep Learning.

DEEP LEARNING STATISTICS:



INDUSTRY INSIGHTS

75%

Companies will use some form of Deep Learning based Application

50%

Year on Year Growth For All Deep Learning Jobs

Learn **Deep Learning**
and Be in Demand Always!

Deep Learning, the pinnacle of artificial intelligence, is the technological marvel that mimics the human brain's neural networks to decipher complex patterns, making computers capable of understanding and learning from vast datasets. Think of it as the quest to create digital superbrains, where algorithms become neurons, processing information with incredible depth and sophistication. It's what powers self-driving cars, natural language processing, and facial recognition systems, among other breakthroughs. In the realm of deep learning, data becomes the fuel, and neural networks are your engines, propelling you into the future of AI-driven innovation.

UNLOCKING THE DEPTHS:

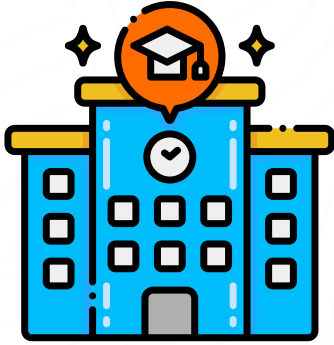
A Journey Through the Synergies of Deep Learning



Embarking on an exhilarating odyssey into the fascinating realm of Deep Learning invites individuals to unlock the doors to unprecedented opportunities. In this captivating journey, the insatiable quest for understanding becomes the guiding force, leading enthusiasts through the intricate and dynamic landscapes of neural networks, algorithms, and computational intelligence. Deep Learning, with its unparalleled capabilities, transcends traditional boundaries, offering a versatile and powerful toolkit that resonates across diverse domains.

Be Prepared For Every Scenario!

Gain practical Deep Learning experiences through well designed courses, latest tools and excellent teachers.



Experienced Faculty



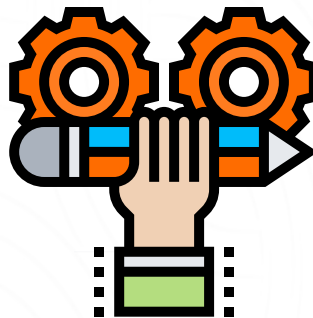
Flexible Scheduling



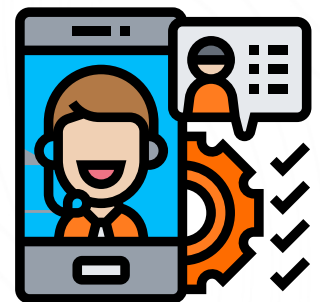
Hands-On Learning



Mock Interview Sessions



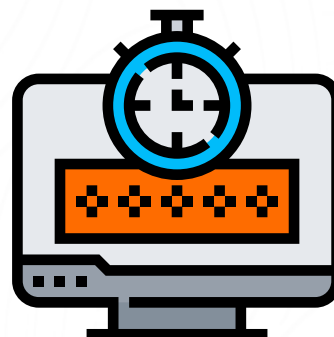
Real-World Projects



Career Support



Comprehensive Curriculum



Lifetime Access

History of Neural Networks:

- Who invented Neural Network?
- What is the intuition of a Neural Network?
- What is a perceptron?
- Connecting Logistic Regression, Linear Regression with Perceptron
- Multi Layer Perceptron
- Training of a Perceptron
- MLP and Backpropagation)
- Notation
- Training a MLP:Chain Rule
- Training a MLP:Memoization
- Back propogation
- Activation Functions
- Sigmoid
- Tanh
- RELU
- Vanishing gradient

History of Neural Networks:

- Dropout and Regularisation
- Batch Normalisation
- Batch SGD with Momentum
- Adam
- Softmax and Cross-Entropy
- How to train Deep MLP?
- Tensorflow and Keras Overview
- Install Tensorflow
- Softmax Classifier on MNIST data
- Code Walkthrough of MLP
- Hyperparameter Tuning in Keras

Introduction to CNN Continues :

- AlexNet
- VGGNet
- Residual Network
- Inception Network
- What is Transfer Learning?
- Code Walkthrough of CNN

Introduction to CNN

- What is Convolution?
- (Convolution:Padding and Strides
- Convolution over RGB images
- Max Pooling
- CNN Training

Introduction to NLP :

- What is NLP(Natural Language Processing)?
- BOW(Bag of Words)
- Text Preprocessing: Stemming and Lemmatisation
- Stop Word Removal
- Tokenisation
- Unigram, Bigram, Ngrams
- TF-IDF
- Weighted TF-IDF
- Word2Vec(W2V)
- Code Walkthrough of NLP Techniques

Introduction to RNN :

- Why RNN(Recurrent Neural Network)?
- Training RNN
- Types of RNN
- Need of LSTM
- LSTM(Long Short Term Memory)
- Deep RNN
- Bidirectional RNN
- Code Walkthrough of RNN

Deep Learning Project :

- Business Problem Constraints
- Data Collection
- Formulate Business Problem to Deep Learning Problem
- Data Cleaning
- Data Preprocessing
- EDA (Exploratory Data Analysis)
- Feature Extraction
- Modelling
- Evaluating the Performance of the models
- Retrain if necessary

GET SKILLS TO FULFILL EVERY ROLE:

Every student at **SevenMentor** gets personalized guidance, Mentorship, and ample opportunities to address individual questions and concerns. All our sessions are designed to be engaging, interactive, and tailored to your learning pace, ensuring you grasp each concept with clarity.



Nishesh Gogia

Data Scientist
(SevenMentor Private Limited)

He is passionate about cutting edge technologies in Machine Learning and AI. He is also leading the Project Team and has implemented a chatbot for the company. He is a student of IIT Madras.



Aniket Kulkarni

He has theoretical as well as practical experience in the field of ML. I did M Tech and have 10+ years of Industrial and Academic experience.

Currently working as Data Science Trainer. I have trained 2000 + professionals and students for the course of Python, SQL, Power BI, Machine Learning and Deep Learning.



Suraj Kale

He is experienced with an extensive 8+ year track record, he stands as a seasoned Data Scientist. His expertise lies in delivering all-encompassing training encompassing data analytics, machine learning, and statistical modeling for professionals. Renowned for his knack for unraveling intricate concepts, nurturing practical skills, and propelling learners to excel in the data-dominated corporate realm.



Karishma Pawar

Karishma holds a PhD in Computer Engineering, specializing in cutting-edge fields including Artificial Intelligence and Machine Learning. In addition to more than 8 years of experience in Data Science, remarkable publications in peer-reviewed journals and conferences are to her credit. She has previously worked with Avaya and Infosys, and demonstrated a commitment to advancing the frontiers of knowledge.

Get Skills To Fulfill Every Role:

Our Deep Learning Courses are designed for a wide range of people looking for skills and opportunities across all major IT sectors



Hands-On Projects: Gain practical experience by working on real-world projects, building a robust portfolio that will impress potential employers.



Flexibility: Our flexible schedule options allow you to learn at your own pace, making it perfect for both beginners and experienced developers looking to upskill.

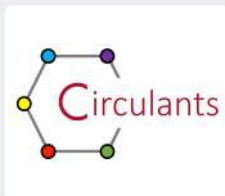


Career Support: We're dedicated to your success! Benefit from career guidance, resume building, interview prep, and job placement



Community: Join a vibrant community of like-minded learners, where you can collaborate, share ideas, and network with peers.

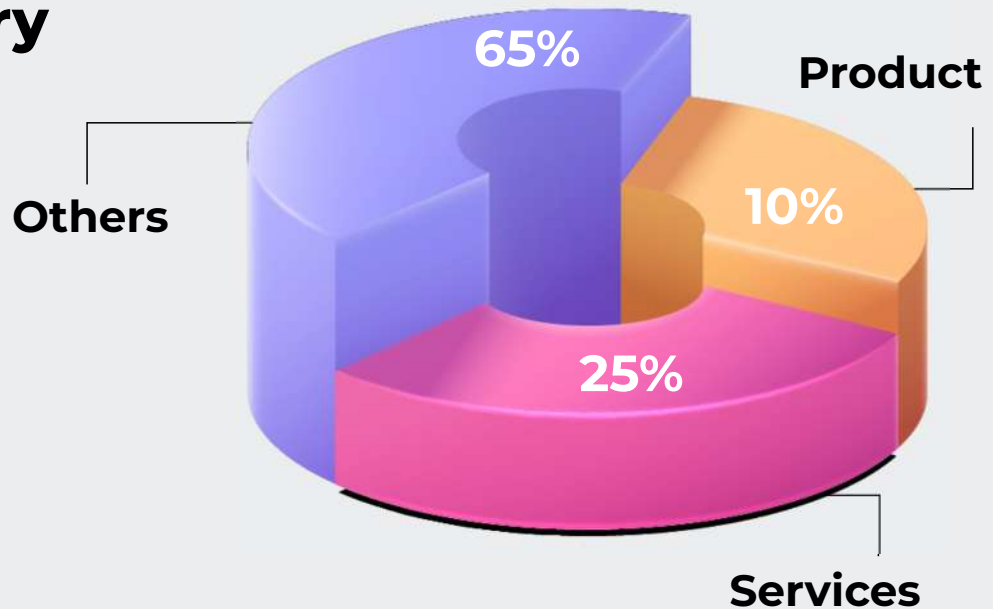
Our Students are at reputed Tech Companies



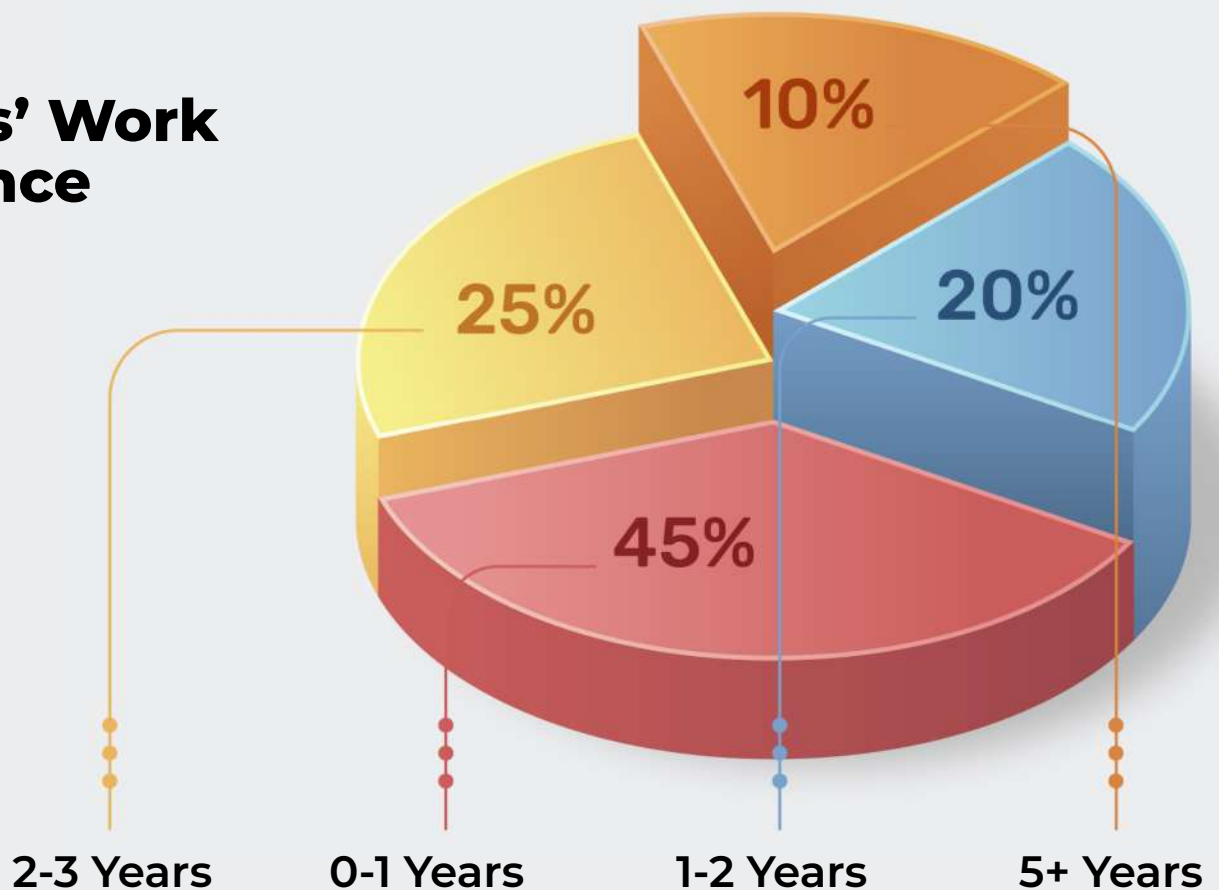
DEEP LEARNING JOBS ARE ALSO VERY STABLE!

The demand for Deep Learning professionals is growing rapidly, so there is a lot of job security in this field. This can be a great motivator for people who are looking for a stable career.

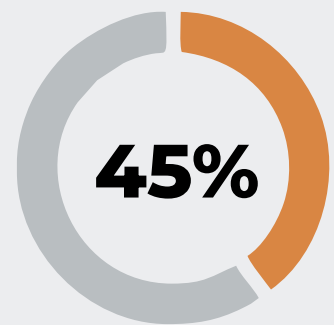
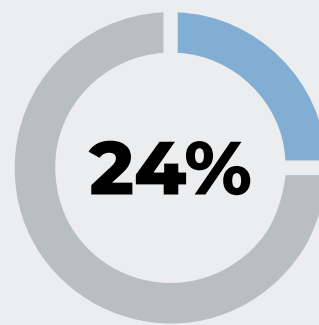
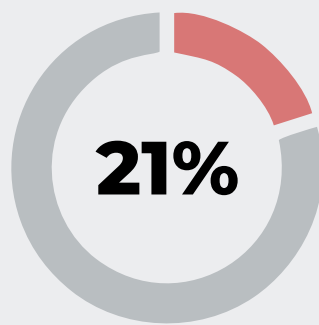
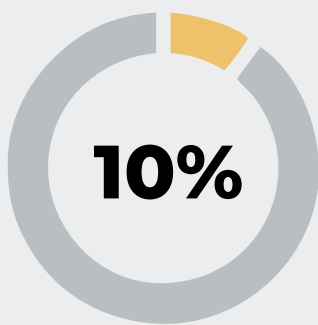
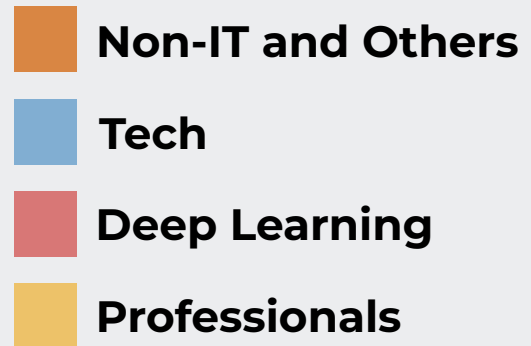
Learners' Industry Background



Learners' Work Experience



Learners' Expertise



BOOST YOUR CAREER TO NEW HEIGHTS:

The global Deep Learning job market is expected to grow by 44% from 2021 to 2030, creating 3.5 million new jobs.

In India it is expected that 309,000 new Deep Learning jobs will be available by 2030, accounting for 11% of the global demand. The average salary for an Deep Learning professional in India is approximately Rs. 07 to Rs. 09 Lakhs per annum.

Affordable Training without Compromise:

SevenMentor understands that investing in your education is a significant decision. Therefore, we provide the most affordable fee structure for our Deep Learning course. We also offer flexible fee payment options and have discounts and offers available from time to time. We also accept all modes of payments such as cash, cards and UPI.

Before enrolling you can also schedule one demo training session at no cost. You can contact us for the demo session or detailed fee structure.

HOW TO START YOUR CAREER IN DEEP LEARNING

- Enroll at **SevenMentor Institute**
- Get hands-on training from **Experienced Teachers**
- Receive Industry-recognized **Deep Learning Certification**
- Work for leading **MNCs** through our **on-campus interviews**

WE ARE THERE FOR YOU

If you are interested in learning more about Deep Learning training, please contact us. Our team would be happy to answer any questions you have and help you find the right training for you.

Request For Call Back



020 7117 1500