Deep Learning Mastery
Let's recognise the Objects

Master Deep Learning Skills and take your career to the next level !!

We just need your **35 hours** from your life..

15000+ Happy Students

Best in Online & Offline Training Experience

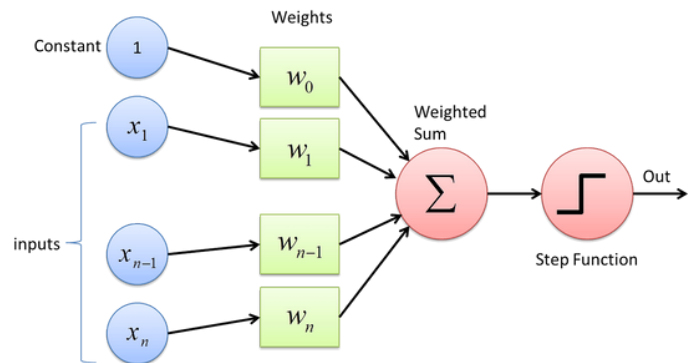**Industry Recognized Expert Mentors**

Program Curriculum

Lesson 1

6 hours

Introduction to Deep Learning & Neural Networks

- Overview of Machine Learning
- Supervised Learning
- Unsupervised Learning
- Reinforcement Learning
- Introduction to Neural Networks
- Perceptron
- Multi-layer perceptron (MLP)
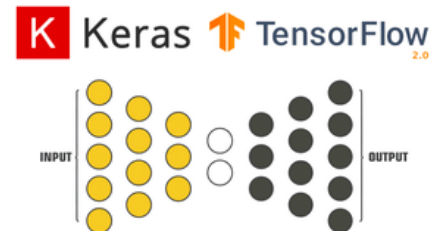- Activation functions
- Feedforward Networks

Lesson 2

Deep Learning Frameworks and Tools

2 hours

- TensorFlow
- PyTorch
- Keras
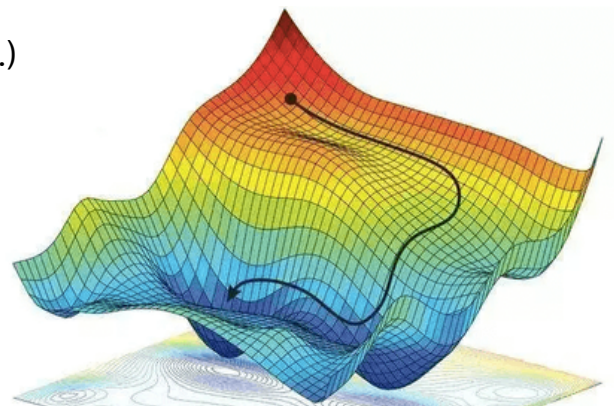- Key Differences, Evolution & their histories

Lesson 3

Deep Learning Maths & Loss Functions

4 hours

- Gradient Descent
- Stochastic Gradient Descent (SGD)
- Mini-batch Gradient Descent
- Optimization Techniques (Adam, RMSProp, etc.)
- Backpropagation
- Chain Rule
- Calculus Basics
- Regularization Techniques
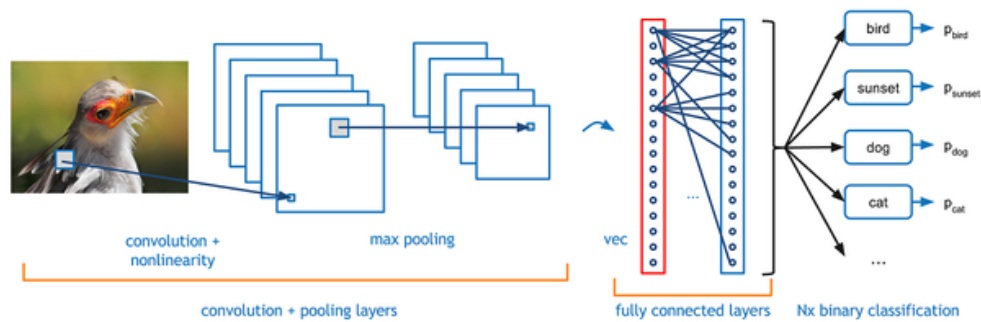- L1 and L2 Regularization
- Dropout

Lesson 4

Convolutional Neural Networks (CNNs)

6 hours

- Introduction to Convolutional Layers
- Pooling Layers
- Architectures
- LeNet
- AlexNet
- VGG
- GoogLeNet (Inception)
- ResNet

Lesson 5

Recurrent Neural Networks (RNNs) & LSTM

6 hours

- Introduction to Recurrent Layers
- Long Short-Term Memory (LSTM)
- Gated Recurrent Unit (GRU)
- Applications of RNNs
- Sequence-to-sequence Models
- Language Modeling
- Text Generation

(a) Recurrent Neural Network (b) Feed-Forward Neural Network
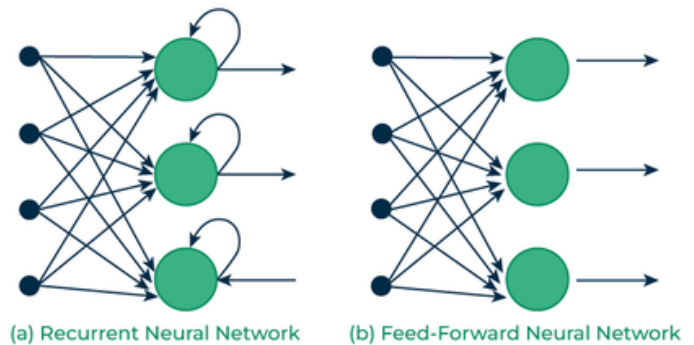
Lesson 5

Transformers & Transfer Learning

6 hours

- Attention Mechanism
- Transfer Learning
- Generative Adversarial Networks (GANs)
- Reinforcement Learning in Deep Learning
- Ethical Considerations in Deep Learning

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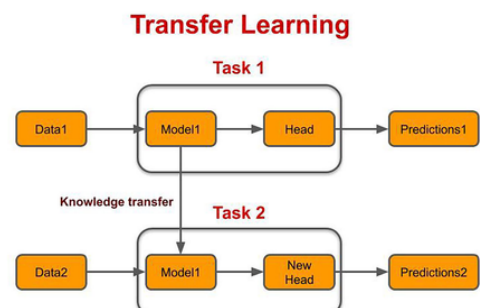
CERTIFICATE OF ACHIEVEMENT

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CERTIFICATE

— OF ACHIEVEMENT —

PROUDLY PRESENTED TO

Name Surname

HAS SUCCESSFULLY COMPLETED THE ONLINE COURSE

Deep Learning Mastery

He/She has excelled at **Deep Learning** by successfully completing all the assignments & modules associated with the program.

BEST AWARD

Tarun Sachdeva

AUTHORIZED SIGNATORY

DATE:

ISO 9001

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OUR TESTIMONIALS

Pooja Patel
1 review

★★★★☆ 5 days ago NEW

Under Tarun's guidance, I had learn SQL, and his explanations are exceptionally clear. If you're keen on mastering SQL concepts, I highly recommend considering DataMantra.

Shubham Parashar
59 reviews · 22 photos

★★★★★ a week ago NEW

I have taken online training on SQL from Data Mantra. Course content is very relevant and practicals focused. Trainer is well versed in industry requirements thus training imparted is good to start working on industry projects.

arpit sharma
3 reviews

★★★★★ a week ago NEW

Participating in Data Mantra Course was truly enriching. The curriculum was meticulously designed, encompassing crucial concepts and techniques essential for excelling in SQL and Tableau, Alteryx, python, power bi. Mr. Tarun, the instructor, demonstrated exceptional expertise and offered outstanding support throughout the course.

Vishal Kumar
2 reviews · 13 photos

★★★★★ a week ago NEW

Learning SQL from datamantra is such a great experience.

Neelesh Gupta
9 reviews

★★★★★ 4 days ago NEW

Tarun hands on experience in machine learning is biggest advantage for students learning from him , he explain the concepts in depth and make sure to resolve each and every doubt of his students , I will refer him to increase your ML understanding

Naman Singh
4 reviews

★★★★★ a week ago NEW

It was an incredibly enriching experience with Data mantra. The curriculum was well-structured and comprehensive, covering all the essential concepts and techniques needed to excel in both SQL and Tableau. The instructor Mr. Tarun were highly knowledgeable and provided excellent support throughout the course.

Vineet Raina · 1st
Business Analyst at CandorWorks | Certified Business Analys...
1yr ·

It gives me immense pleasure to share that I have graduated from the Master's Program in Business Analysis from Simplilearn by completing all the mandatory courses which were part of the curriculum.
I thank Simplilearn and my course instructors Vaibhav Pandey, Tarun Sachdeva & Vaibhav Rajvanshi for conducting the training.

Aditi Nath
1 review

★★★★★ a week ago NEW

I had a great experience studying SQL at Data Mantra, especially with the teaching style of Tarun sir. The curriculum is exceptionally easy to grasp, and unique teaching method makes it even simpler to comprehend concepts ranging from basic to advanced levels. He use of real-life examples enhances understanding and real life application. Highly recommended for anyone looking to master SQL effectively💯.

Kumar Saurav · 1st
Data Analyst
8mo ·

I'm bursting with excitement to share that I've just completed the Complete SQL Mastery offered by Jobaaj Learnings.
This course was packed with valuable information. Thankyou Jobaaj Learnings and Tarun Sachdeva for providing this wonderful course.

Vaibhav Srivastava · 1st
Aspiring Data Analyst | Advanced Excel, Python, SQL , Googl...
7mo ·

Dear Friends very happy on sharing this Gold Badges in Hacker Rank SQL

Very very thanks to Rakshit Vig Sir and Tarun Sachdeva Sir for making such kind of value for me

MEET YOUR TUTOR

Tarun Sachdeva
AI & Data Science Consultant

Founder DataMantra, Instructor
LinkedIn

I am based out of **Belgium**, working as Freelancer across the world as I completed my post graduation **MSc in Data Science and AI from Top College of Europe - EDHEC Business School, France,** and I love to make new relationships across the world. In the meantime, I love to write about my travel experiences and blogs on Medium.

With nearly **10 years** of diverse professional experience spanning the Finance, Manufacturing, Retail and Telecom sectors, I have honed my skills and expertise in various aspects of data analysis.

Being **Tableau** my first love, I am an expert in extracting and transforming data efficiently through **SQL** and utilising ETL tools like **Alteryx**. Furthermore, I have great knowledge of **Machine learning & Deep Learning algorithms too.**

My recent role was **Senior Financial Data Analyst in Credit & Risk Controllership at American Express**. I am a Freelancer now and love to teach the students.

Are you ready to take the next step in your career and join our hands-on training program?

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Euros 699/-

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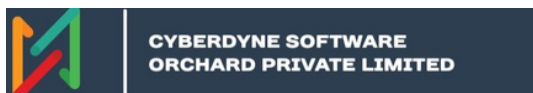
Please note that our program requires a fee, which is payable only upon confirmation of your successful admission.

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LEARNING

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OUR VISION

Help & Guide students globally with innovative, personalized education for empowered learning and especially in changing the Domain.

OUR MISSION

Empowering individuals worldwide, our mission is to provide accessible and top-quality education, fostering skills that drive career success and personal growth.

OUR STORY

Our story is one of dedication to shaping futures, breaking barriers, and creating a dynamic and easy learning environment for every student and Corporate professionals

+91-9761777997 (Whatsapp)
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