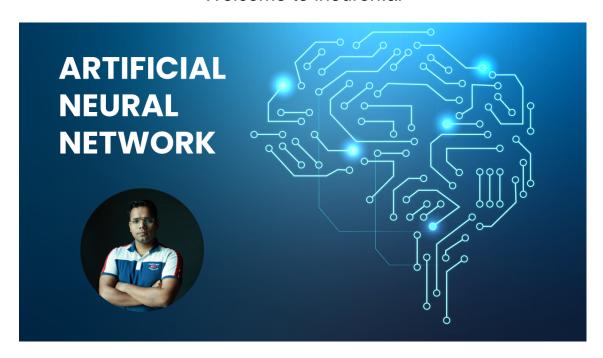
Welcome to ineuron.ai



Artificial Neural Network

Description:

Artificial neural networks (ANNs) are computer systems that are modelled after the biological neural networks that make up animal brains. It processes data and creates patterns for use in decision-making in the same way that the human brain does. Using the most up-to-date frameworks, you'll learn Artificial neural networks, Transfer Learning, and more.

Start Date:

Doubt Clear Time:

Course Time:

Features:

Source code

Roadmap

Quizzes

- # Assignments
- # Downloadable resources
- # Completion certificate

What we learn:

- # Neural Network
- # Perceptron
- # Evaluation of Neural Network
- # Maths behind concepts of Neural Networks
- # Back Propagation
- # Problems faced while training Neural Network and its solution
- # Building solutions

Requirements:

- # Basic Programming Knowledge
- # A System with a decent internet connection
- # Your dedication

Instructor:

Name:

Sunny Bhaveen Chandra

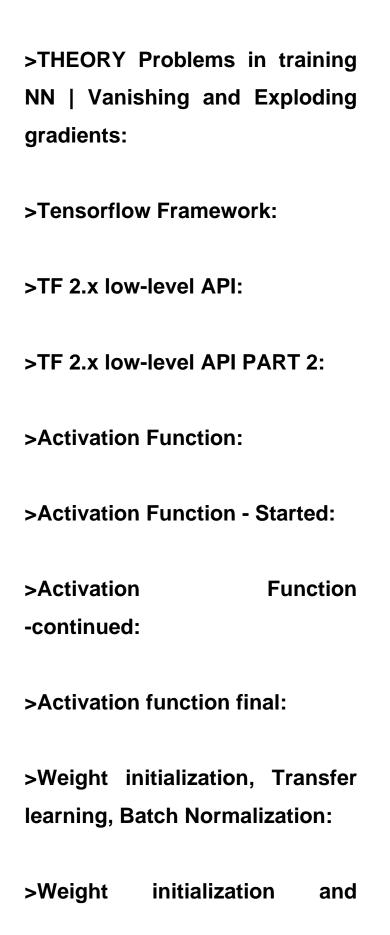
Description:

Sr. Data Scientist and lecturer at iNeuron.ai with working experience in computer vision, natural language processing and embedded systems. Hands-on experience leveraging machine learning, deep learning, transfer learning models to solve challenging business problems. Also, he has a vast

interest in Robotics.
>Introduction:
>Al Deep Learning Evolution
of ANNs:
>>Introduction
>>Introduction
>Perceptron:
>Perceptron Implementation:
>Perceptron Implementation
>Perceptron Implementation Python scripting and packaging
Python scripting and packaging
Python scripting and packaging
Python scripting and packaging Modular coding:
Python scripting and packaging Modular coding: >Python logging basics in
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Python scripting and packaging Modular coding: >Python logging basics in previous codes, docstrings: >Python packaging Github

>ANN implementation using tf.keras: >ANN implementation using python scripting: >ANN implementation using python scripting continued: >Callbacks in Tensorflow: >ANN with Callbacks Tensorboard | Early Stopping | **Model Checkpointing:** >Mathematics in DL: >THEORY: Vectors: >THEORY DIfferentiation Partial Diff | Gradients | Ascent and Descent:

>ANN Derivation:



Transfer learning:
>Batch Normalization: Theory and Practical:
>MLFlow:
>Optimizers, Regularization and Loss function:
>Fast Optimizers Momentum Optimization:
>NAG:
>AdaGrad:
>RMS Prop Adam:
>Regularization Dropout Loss function: