

Sharif Neuroscience Symposium 2023

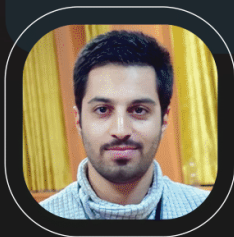


Artificial Intelligence and Deep Learning

Prerequisites:

Basics of Machine Learning
Python Programming

Feb 10, 11, 17, 18
Bahman 21, 22, 28, 29
9:00 AM to 18:00 PM



**Farrokh
Karimi**

- IPM, Sharif Brain Center, DigiNext
- Teacher at Neuromatch Academy US



Certificates

Will be Awarded 1,280,000 Tomans



Price



Online

Topics

Main Headlines

- Introduction to AI with TensorFlow2-Keras, PyTorch, and Google Colab
- Data Loading and Preprocessing
- Convolutional Neural Networks (CNNs)
- Basic and Advanced Image Processing
- Transfer Learning and Fine-tuning
- Data Augmentation
- Image Segmentation
- Basic Video Processing with 3DCNN
- Autoencoders and Variational Autoencoders (VAEs)
- Generative Adversarial Networks (GANs)
- Recurrent Neural Networks (RNNs)
- Basic Text Processing
- Basic Audio Processing
- More Advanced Topics

Registration Deadline: Feb8th, 2023
Bahman 19th, 1401

For more info, visit our website: sns.ee.sharif.edu



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