

MATIN GHORBANI

ACTIVE IN THE FIELDS OF ARTIFICIAL INTELLIGENCE AND WEB

My interests include artificial intelligence and web design. I have professional experience working with Tensorflow, PyTorch, Mediapipe, and YOLO versions 5, 7, and 8. I am fluent in JavaScript, C++, C#, and Python. Additionally, I have some experience working with PHP, and PowerShell languages.



EXPERIENCES

MACHINE LERNING

- Experience working with scikit learn library, nltk, and transformers.
- Experience working with algorithms :
 1. Linear Regression
 2. Logistic Regression
 3. Decision Trees
 4. Random Forest
 5. K-Nearest Neighbors (KNN)
 6. K-Means Clustering
 7. Multilayer perceptron (MLP)
 8. Q-Learning , ...
- Learning new and more advanced algorithms...

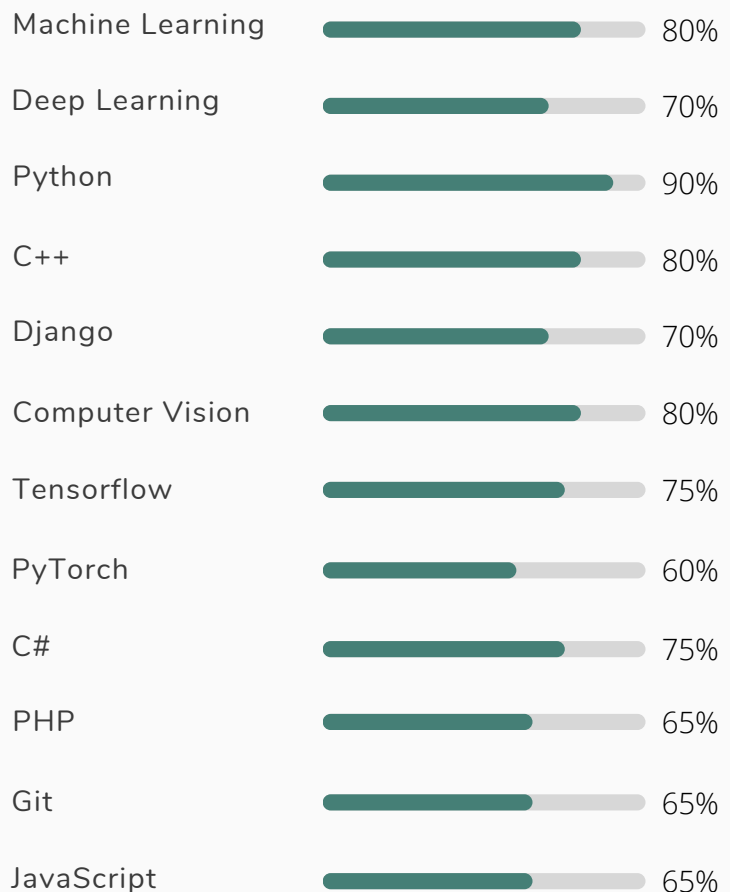
DEEP LERNING

- Experience working with Keras, Tensorflow, and Pytorch library to create neural networks.
- Experience working with neural networks :
 1. Multilayer Perceptron (MLP)
 2. Convolutional Neural Network (CNN)
 3. Recurrent Neural Network (RNN)
 4. Long Short-term Memory (LSTM)
 5. Generative Adversarial Network (GAN)
 6. Deep Convolutional Generative Adversarial (DCGAN),
- Learning new and more advanced neural networks...
- Developed a deep learning model that predicts someone's weight.
- Developed a deep learning model that predicts 3D objects and shows them in Unity with socket programming.
- Get some benchmarks from Yolo v8 and v9 C++


WEB (SERVER AND CLIENT)


- Implementation of a shop site with Django framework.
- Developed an API with FastAPI for the SensoBody project from SesnoMatt.

SKILLS



CONTACT

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WORK SAMPLES

MACHINE LEARNING

- Developed a machine learning model that predicts someone's position on a chair for SensoMatt.
- Implement an MLP for Titanic Dataset
- Implement an MLP for the House Price Dataset
- Implement a Snake Game with Machine Learning
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DEEP LEARNING

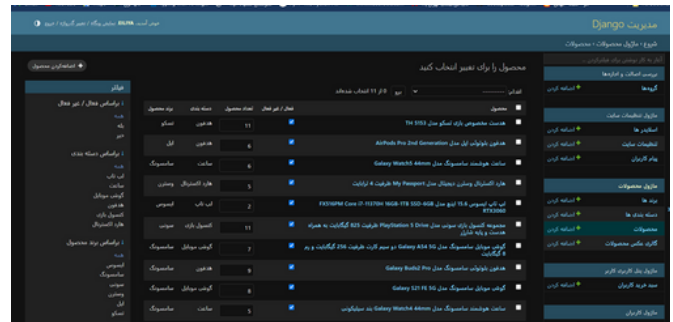
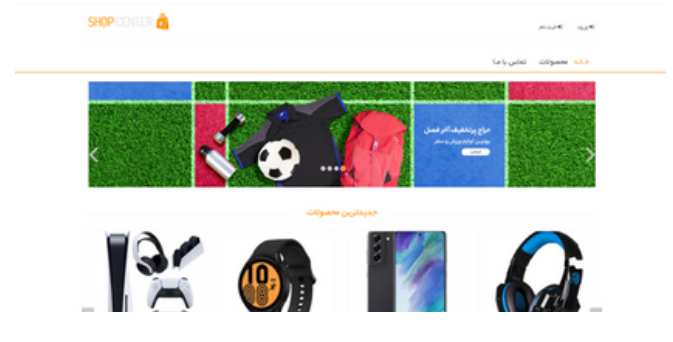
- Implement a simple 5 animals and 17 flowers classification and 7-person face recognition.
- Implement an age estimator.
- Implement an Iranian license plate detector with yolov8.
- Implement an Iranian license plate recognizer with DTRB.
- Implement an Iranian license plate pipeline.
- Implement a face recognition and verification with insightface.
- Train Mnist, Cifar 10, and Titanic datasets with Tensorflow experts.
- Train DCGAN on the Fashion Mnist dataset and Celeb A dataset
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PROFESSIONAL EXPERIENCES

- ML & DL ENGINEER AT SENSOMATT
Nov, 2024 - Present
Remote Working, Part Time
- DEEP LEARNING ENGINEER AT PARSTECHAI
May, 2023 - Present
Part-Time - Full-Time

WEB

Shopping website



CERTIFICATES

Kaggle Computer Vision Course

Skills: Classification, Computer Vision, TensorFlow, Convolutional Neural Networks (CNN)

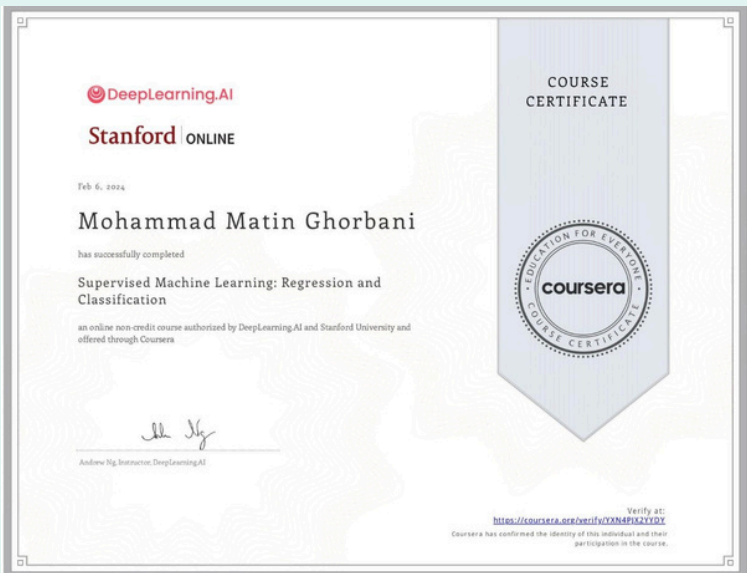


CS50's Introduction to Artificial Intelligence with Python

Skills: NumPy, Machine Learning, Pandas, Computer Vision, TensorFlow, Convolutional Neural Networks (CNN) Scikit-Learn



Coursera Supervised Machine Learning: Regression and Classification
Skills: Machine Learning, Matplotlib, Linear Regression, Logistic Regression for Classification, Gradient Descent



Solo Learn Python Intermediate
Skills: Inheritance, Object-Oriented Programming (OOP), Python



Solo Learn C++ Intermediate
Skills: Inheritance, Object-Oriented Programming
(OOP), C++



Solo Learn C# Intermediate
Skills: Inheritance, Object-Oriented
Programming (OOP), C#

