Amirmahdi Abootalebi

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Student of Bachelor degree of Computer Science at Amirkabir
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ACCOUNT

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EDUCATION

- **Amirkabir University of Technology**   Tehran, IRAN
  Bachelor of Computer Science: GPA: 3.5 (16.68/20) (3.8 (17.51/20) - Last 2 years)   2019 - 2023
  Courses: Artificial Intelligence, Data Mining, Linear Algorithms, Operating Systems, Linear Optimization, Cryptography.

- **Università degli Studi di Genova**   Genova, Italy
  Computer Engineering Artificial Intelligence   2023 - 2025

RESEARCH INTEREST

- Machine Learning (ML)
- Generative Adversarial Network (GAN)
- Conjunction Neural Network Algorithm (CNN)
- Natural language processing (NLP)
- Computer Vision
- Data mining

TEACHING EXPERIENCE

- **Artificial Intelligence (Amirkabir University)**   Dr.Mehdi Ghatee
  Holding TA sessions for extra work, answering students' questions and making a question.   Sep 2022 - Present

- **Introduction to Computer and Programming (Amirkabir University)**   Dr.HajiMohammadi
  Holding TA sessions for extra work, answering students' questions and making a question.   Sep 2022 - Present

- **Data Structure and Algorithm (Razi University)**   Dr.Farzane Salari
  Holding TA sessions for extra work, answering students' questions and making a question.   Sep 2022 - Present

- **Python Programming Tutor**   Self-Employ
  Full python and algorithm programming   Jun 2021 - Sep 2021

PROJECTS

- Generating Persian Alphabet Hand Writing - (Kaggle)

  - Supervise : Dr.Mostafa Shamsi
  - Python, PyTorch, Tensorflow
  - Using MobileNet v2 for discriminator in conjunction with Resnet
  - Generating the Persian alphabet handwriting letters

- Kaggle Projects - (Kaggle)

  - EDA Projects
  - Machine Learning Projects
  - Computer Vision Projects
  - New and Clean Datasets

- Artificial Intelligence - (GitHub)

  - Solving 8-puzzle problem using A* algorithm.
  - Implementation of Genetic and SA algorithms.
  - Implementation of tic-tac-toe game using minimax algorithm
  - Detecting Persian spam emails using Naive Bayes
  - Tic Toc Toe Game

- ML, DL, Data Mining - (GitHub)

- Student Academic Performance Prediction by using Decision Tree Algorithm using Weka
- Classification Based on Decision Tree Algorithm for Machine Learning using Weka
- Census Income Data Set of UCI Data set using Decision Tree
- Glasses Recognition using Classification with TensorFlow
- Digit Recognition with TensorFlow
- Fuel Consumption using Sklearn (Regression)
- Fruit Recognition : Neural Network and Transport Learning using TensorFlow

- Web Developing
  - Puzzle-Stu Front-End Developing - (PuzzleStu.com)
  - Puzzletv Full-Stack Developing - (GitHub)
  - Personal Blog with Laravel - (GitHub)

WORK EXPERIENCE

Front-End Developer (React) — Freelancer
I worked just for Learning better and acquaint myself with working — *Oct 2020 - Jun 2021*

Full-Stack Web Developer (React and Laravel) — PuzzleStu
I started this position with an internship in Back-End — *Mar 2021 - Sep 2021*

Machine Learning Engineering — Self-Employment
Working on Kaggle Datasets and Analyzing the real data — *Jun 2022 - Nov 2023*

HONER AND COURSE

Generative Adversarial Networks (GANs) Specialization — Coursera
GAN Specialization Course: (Deeplearning.ai)(Sharon Zhou) — *June 17 - 2023*

Build Basic Generative Adversarial Networks (GANs) — Coursera
GAN Specialization Course (1 / 3): (Deeplearning.ai)(Sharon Zhou) — *June 17 - 2023*

Build Better Generative Adversarial Networks (GANs) — Coursera
GAN Specialization Course (2 / 3): (Deeplearning.ai)(Sharon Zhou) — *June 12 - 2023*

Apply Generative Adversarial Networks (GANs) — Coursera
GAN Specialization Course (3 / 3): (Deeplearning.ai)(Sharon Zhou) — *April 24 - 2023*

Machine Learning Specialization — Coursera
Machine Learning Specialization Course: (Deeplearning.ai)(Androw NG) — *Sep 20 - 2023*

Supervised Machine Learning: Regression and Classification — Coursera
Machine Learning Specialization Course: (1 / 3): (Deeplearning.ai)(Androw NG) — *Sep 17 - 2023*

Unsupervised Learning, Recommenders, Reinforcement Learning — Coursera
Machine Learning Specialization Course: (2 / 3): (Deeplearning.ai)(Androw NG) — *June 12 - 2023*

Unsupervised Learning, Recommenders, Reinforcement Learning — Coursera
Machine Learning Specialization Course: (3 / 3): (Deeplearning.ai)(Androw NG) — *Oct 24 - 2023*

Machine Learning Foundations — Coursera
Machine Learning Foundations: A Case Study Approach (University of Washington) — *May 10 - 2022*

Neural Networks and Deep Learning — Coursera
Deep Learning Specialization Course (1 / 5) (Deeplearning.ai)(Androw NG) — *Jun 25 - 2022*

Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization — Coursera
Deep Learning Specialization Course (2 / 5) (Deeplearning.ai)(Androw NG) — *Sep 8 - 2022*

Structuring Machine Learning Projects — Coursera
Deep Learning Specialization Course (3 / 5) (Deeplearning.ai)(Androw NG) — *Sep 29 - 2022*

Convolutional Neural Networks — Coursera
Deep Learning Specialization Course (4 / 5): (Deeplearning.ai)(Androw NG) — *April 10 - 2023*

Introduction to Machine Learning — Kaggle
Introduction to Machine Learning (Decision Tree and RainForest) — *Oct 4 - 2022*

- **What is the Data Science**
  Data Science Specialization Course
  Coursera(IBM)
  Sep 11 - 2023

- **Python for Data Science, AI and Development**
  Data Science Specialization Course
  Coursera(Meta)
  Sep 21 - 2023

- **Computer Vision**
  Computer Vision
  Kaggle
  Oct 5 - 2022

- **Data Cleaning**
  Data Cleaning
  Kaggle
  Oct 5 - 2022

- **Pandas**
  Introduction to using Pandas for Data Analyzing
  Kaggle
  July 29 - 2022

- **Django Web Framework**
  Zero To Hero Course
  Coursera(Meta)
  March 29 - 2023

Programming Language and Software Skills

- C / C++ (Object Oriented, inheritance,...)
- Python (Pandas, Numpy, Matplotlib,...)
- PHP (Laravel, LiveWire)
- Scikit-Learn (Regressions, Classification, Clustering,..)
- JavaScript(React, Vue)
- TensorFlow (NN, CNN)
- Weka (elementary knowledge)

Important Course

Numerical Linear Algebra	4
Artificial Intelligence and Workshop	4
Data Mining	4
Topics in Computer Science(Cryptography)	4
Principles of Operating Systems (OS)	4