Mehrdad Mohammadian

 Website   GitHub   in LinkedIn   ✉ Email   ☎ +989372135828

🎓 EDUCATION

Bachelor of Science Computer Engineering   sep 2018 — now
Islamic Azad University, Mashhad Branch   *Iran, Mashhad*

Islamic Azad University ranked **2ˢᵗ best** global universities in Iran. ↗ US news
Thesis: Anxiety prediction web app using deep learning approach based on Taylor Manifest Anxiety Scale. ⌾ GitHub ↗ WebApp
Supervisor: Dr. Shabnam Shadroo
Thesis Grade: (20/20 - 4/4)

152 credits program with **overall GPA of 17.56/20 (3.5/4.00)** and **last two years GPA is (4.00/4.00)**.

Selected courses:

- Fundamentals of Computer Vision (20/20) ⌾ GitHub
- Artificial Intelligence and Expert Systems (19.5/20)
- Fundamentals of Computational Intelligence (20/20)
- Fundamentals of Information Retrieval and Web Searching (20/20) ⌾ GitHub
- Software Engineering (20/20)
- Algorithms Design (18/20)
- Computer Networks (20/20)
- Operating Systems (20/20)

♥ RESEARCH INTERESTS

- Deep Learning
- Computer Vision
- Natural Language Processing
- Data Science
- Machine Learning
- Data Mining

📓 JOURNAL PUBLICATIONS

Mehrdad Mohammadian, Neda Maleki, Fredrik Ahlgren, Tobias Ohlsson , Persis: A Persian Font Recognition Pipeline Using Convolutional Neural Networks (to be submitted)   **2022**

🏆 HONORS AND AWARDS

Solved 5/9 puzzles in Harvard University Puzzle Day event (CS50) ↗ certificate   **apr 2022**
Top 5% user among ~3K Iranian GitHub users for number of contributes in other public repositories ↗ link   **2022**
Solved 6/8 puzzles in Harvard University Puzzle Day event (CS50) ↗ certificate   **sep 2020**
Solved 5/8 puzzles in Harvard University Puzzle Day event (CS50) ↗ certificate   **apr 2020**
The first place in the Rokad entrepreneurship event and **received a gold coin** as a reward.
Presented the idea of an e-learning system specially for high school students called "Class Plus". ↗ certificate   **mar 2017**

🖥 OPEN-SOURCE PROJECTS

Vision Kit ⌾ GitHub   apr 2022 — now
Vision Kit is a library that included a set of useful tools for computer vision projects with TensorFlow.

PPR - Portrait Painting Recommendation System ↗ WebApp ⌾ GitHub   jan 2022
Developed a recommendation system for portrait paintings using deep learning (MobileNet & WikiArt dataset)

Jami ⌾ GitHub   apr 2020
Jami is a simple cross platform GUI for play some musical instrument, written in Golang.

💼 EXPERIENCE

Research ....

Research Assistant   sep 2021 — now
Linnaeus University, Sweden   *Remote*

Supervisor: Dr. Neda Maleki

Teaching

Instructed Workshops and Webinars in CSAIAUM　　　　　　　　　　sep 2021 — now
Scientific Association of the Computer Enineering Department, Islamic Azad University　　*Iran, Mashhad*

Instructed several webinars and workshops while membership on CSAIAUM.

- Introduction to open-source & GitHub webinar 🔗 slides 🎞 video
- How to build website using GitHub Pages (Git, Jekyll, Hugo) workshop 🔗 slides
- Tips & guides for new students of the computer engineering department webinar 🔗 slides 🎞 video
- Introduction to using cloud services for ML/DL projects webinar 🔗 slides 🎞 video
- Introduction to software 2.0 🔗 slides

Teacher Assistant
Islamic Azad University, Mashhad Branch

- **Database Course** - Assistant Professor: Dr. Ghamarnaz Tadayon 🔗 website　　　　**fall 2021**

Vocational

NLP Intern　　　　　　　　　　　　　　　　　　　　　　　　**feb 2022 — now**
Shenasa AI Company　　　　　　　　　　　　　　　　　　　　　　*Remote*

Investigation about keyword extraction methods.

- Tools: Python, TensorFlow, Jupyter Notebook, Google Colab

Computer Vision Intern　　　　　　　　　　　　　　　　　**aug 2021 — sep 2021**
Veerasense Company　　　　　　　　　　　　　　　　　　　　*Iran, Mashhad*

Investigated & examined CNN architectures such as YOLO, SSD, and CenterNet in object detection area.
In while undergraduate internship program of the university.

- Published fixed version of the CenterNet model , for running on Google Colab GPUs and make some experiments with different backbones on custom dataset. 🔗 GitHub
- Tools: Python, TensorFlow, Jupyter Notebook, Google Colab

Back-End Developer　　　　　　　　　　　　　　　　　　**apr 2019 — mar 2020**
Profile Digital Company　　　　　　　　　　　　　　　　　　*Iran, Mashhad*

The Profile is a social network for Persian language specialists.
Developed & maintained infrastructure services in the back-end side using micro-service architecture.

- Developed Services: search, recommender, and user profile.
- Tools: Golang, Python, Mongo DB, Elastic Search DB, Web Scraping, Docker, GNU/Linux, Git

Computer Technician　　　　　　　　　　　　　　　　　　**sep 2018 — apr 2019**
Kimiya Industry Company　　　　　　　　　　　　　　　　　　*Iran, Mashhad*

The Kimiya Industry works on the production of traffic signs and traffic equipment.

- Maintained website, designed traffic signs and content creator.
- Tools: WordPress, PhotoShop

</> Skills

Programming	Skilled in Python & Golang, Familiar with C++, MATLAB, HTML, CSS
Packages	TensorFlow, Keras, Scikit-learn, Numpy, Pandas, Matplotlib, Jupyter Notebook
Other Tools	Git, GNU/Linux, LaTeX, Overleaf, RapidMiner, Streamlit, Figma
Soft Skills	Brainstorming, Presentation, Team Leader

👥 Extracurricular Activities

Main Member of the Scientific Association (CSAIAUM)　　　　　　**sep 2021 — now**
Scientific Association of the Computer Engineering Department, Islamic Azad University　*Iran, Mashhad*

As a main member of the CSAIAUM contributed to the following activities:

- Instructed and organized workshops & webinars
- Managed GitHub & social media
- Collaborated for create content

Founded Persian Association of the Scikit-learn   dec 2020 — now
sklearn.ir   *Iran, Mashhad*

Translated the official tutorials & documentations to Persian. ⬈ our website ⚲ GitHub
Our association **introduced in official website** of the scikit-learn.org ⬈ link

Translated the Machine Learning Course of Andrew NG   sep 2020 — dec 2020
mehrdad-dev.ir   *Iran, Mashhad*

Published notes and translated contents in while of completing this course.
Till this moment **10K unique user with 21K session** visited the website and
average duration of the reading contents is **5min 27sec**. ⬈ website ⚲ GitHub

✹ ONLINE COURSES

Deep Learning and Computer Vision ⬈ certificate ⚲ GitHub   feb 2022
Diginext Academy, By Alireza Akhavan Pour

Machine Learning in Python with Scikit-learn (official course) ⬈ certificate   jul 2021
scikit-learn.org & france université numérique

Machine Learning Course ⬈ certificate   oct 2020
Stanford Online in Coursera, By Andrew NG

Introduction to Git ⬈ certificate   may 2020
Datacamp.com

🗛 LANGUAGES

- Persian (Native)   • English (TOEFL iBT will be taken soon)

🧩 HOBBIES

- Try to learn how to play violin   • Watching Sci-Fi movies about space   • Travel to the mountains and valleys

❝ REFERENCES

Dr. Mehrdad Jalali
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