Mostafa Razavi Ghods

"If you want to live a happy life, tie it to a goal, not to people or things."– Albert Einstein

Education

Sep 2015 - Sep 2017
Master of Science in Computer (Artificial Intelligence), *Azad University of Mashhad*, Mashhad, Iran
GPA: 19.11 (out of 20).
Thesis title: **Distance metric learning based on structural neighborhoods for dimensionality reduction and classification performance improvement**. Proposed a new method for distance metric learning to address the imbalanced datasets while preserving their local structures. Achieved state-of-the-art accuracy, including a best accuracy of over 99.5592% on the heavily imbalanced KDDCup98 dataset.

Sep 2011 - Jul 2013
Master of Engineering in Computer (Artificial Intelligence), *International University of Imamreza*, Mashhad, Iran
GPA: 15.24 (out of 20).

Sep 2007 - Sep 2011
Bachelor's Degree in Computer (Software Engineering), *Azad University of Mashhad*, Mashhad, Iran
GPA: 14.71 (out of 20).
Project title: **Face Detection Using Eigenfaces**. The project developed a face detection system based on eigenfaces, achieving high accuracy in detecting faces in images with varying lighting and facial expressions.

Selected Courses

Statistical Pattern Recognition	Machine Learning	Neural Networks
Deep Learning	Quantum Computations	Information Theory and Coding
Evolutionary Computations	Fuzzy Control	Digital Image Processing
Computer Vision	Game Theory	Reinforcement Learning
Multi-Agent Systems	Signals and Systems	Natural Language Processing
Advanced Operating Systems	Knowledge Representation	Web Semantics

Research and Work Experience

Feb 2023 - Present
Web Developer & Data Scientist, *Progwise*, Greifswald, Germany
Collaborating with data scientists to integrate machine learning models into web applications, allowing for real-time data analysis and insights for users.

Jun 2022 - Dec 2022
Computer Scientist - Institute for Mathematics and Computer Science, *University of Greifswald*, Greifswald, Germany
Robotics Lab Researcher, Programmer, and Linux System Administrator

Oct 2020 - May 2022
Researcher and programmer at the IT department, *University of Beira Interior, Covilhã, Castelo Branco*, Portugal
Was involved in the project POCI-05-5762-FSE-000210, funded by the FEDER (Fundo de Coesão e Fundo Social Europeu), which included the implementation of deep machine learning for non-cooperative biometric recognition of student behaviors using computer vision and data mining of the frequent patterns in dropout students.

Sep 2017 - Sep 2020
UI and UX application designer, *Sadra Rayanesh Behin Afzar Arsin, Mashhad, Khorasan Razavi, Iran*
Designed and implemented visually appealing and user-friendly interfaces using React components for web applications, collaborating closely with developers to ensure seamless integration of UI/UX designs.

Sep 2015 - Sep 2017
Software Developer, *Sadra Rayanesh Behin Afzar Arsin, Mashhad, Khorasan Razavi, Iran*
Mostly was involved with programming in Java and C++

Skills

Data Science
, Python, Matlab, R, Deep learning, Machine Learning, NLP, TensorFlow, Keras, PyTorch, Autoencoders, Transformers, CNN, RNN

Software Engineering
, C++, Linux and Bash, Javascript, Typescript, React

Interpersonal
, Creative Problem Solving, Teamwork, Leadership, Written and Oral Presentation, Time Management

Academic Teaching Experience

Sep 2017 - Sep 2020
Machine Learning Lab Tutor, *Azad University of Mashhad, Islamic Republic of Iran, Mashhad, Khorasan Razavi, Iran*

Sep 2016 - Sep 2020
Statistical Pattern Recognition Lab Tutor, *Azad University of Mashhad, Mashhad, Khorasan Razavi, Islamic Republic of Iran*

Feb 2018 - Feb 2020
Quantum computing Lab Tutor, *Azad University of Mashhad, Mashhad, Khorasan Razavi, Islamic Republic of Iran*

Sep 2019 - Feb 2020
Data Structures in C++ Lab Instructor, *Azad University of Mashhad, Islamic Republic of Iran, Mashhad, Khorasan Razavi*, Mashhad

Sep 2017 - Sep 2019
Semantic Web Lab Tutor, *Azad University of Mashhad, Mashhad, Khorasan Razavi, Islamic Republic of Iran*

Sep 2015 - Feb 2016
Automata Theory and Languages Lab Tutor, *Azad University of Mashhad, Mashhad, Khorasan Razavi, Islamic Republic of Iran*

Sep 2013 - Feb 2014
Logic Circuits Lab Tutor, *Azad University of Mashhad, Mashhad, Khorasan Razavi, Islamic Republic of Iran*

Publications

Mostafa Razavi Ghods, Mohammad Hossein Moattar, **Prototype Selection based on the Structural Neighborhoods on the Manifold**, In progress

Mostafa Razavi Ghods, Mohammad Hossein Moattar, **Improving the robustness of DLSR using correntropy based loss function**, In progress

Mostafa Razavi Ghods, Mohammad Hossein Moattar, Yahya Forghani Department, **Distance metric learning based on structural neighborhoods for dimensionality reduction and classifion**, arXiv:1902.03453, 2019

Hesam Nejati Sharifaldin, Mostyafa Razavi Ghods, **A Comprehensive Review of Energy Harvesting and Routing Strategies for IoT Sensors Sustainability and Communication Technology**, Sensors International

HesamNejati Sharif Aldin, Hossein Deldari, Mostafa Razavi Ghods, **Reduction of Monetary Cost in Cloud Storage System by Using Extended Strict Timed Causal Consistency**, arXiv preprint arXiv:2009.02355, 2020

HesamNejati Sharif Aldin, Hossein Deldari, Mohammad Hossein Moattar, Mostafa Razavi Ghods, **Strict timed causal consistency as a hybrid consistency model in the cloud environment**, Future Generation Computer Systems, 2020

HesamNejati Sharif Aldin, Hossein Deldari, Mohammad Hossein Moattar, Mostafa Razavi Ghods, **Consistency models in distributed systems: A survey on definitions, disciplines, challenges and applications**, arXiv preprint arXiv:1902.03305, 2019

Mohammad Reaz Sabeti Baygi, Mostafa Razavi Ghods, Gelareh Veisi, **Sensor clustering and base station mobilizing in Wireless Sensor Networks using genetic algorithms**, 2015 International Congress on Technology, Communication and Knowledge (ICTCK), 2015

English Teaching

May 2012 - Feb 2014   **English Teacher**, *Meraj Andisheh Institute, Mashhad, Khorasan Razavi, Iran*

Oct 2012 - May 2013   **English Teacher**, *Gheshm Language Institute, Mashhad, Khorasan Razavi, Iran*

Oct 2011 - Feb 2012   **English Teacher**, *Imam Reza High School, Islamic Republic of Iran, Mashhad, Khorasan Razavi, Iran*

Language Skills

English: TOEFL iBT: 95, Reading: 25, Listening: 26, Speaking: 21, Writing: 23   *Feb 5th, 2023*

German: Intermediate

French: Intermediate

Interests/Hobbies:

- **Tech Enthusiasm:** Keeping up-to-date with the latest technological advancements, exploring new technologies, and staying engaged in tech communities.
- **Language Learning:** Passionate about learning and exploring different languages, including English, German, French, Latin, and exploring different cultures through language learning.
- **Electronics:** Enjoying working with electronic kits, experimenting with circuit designs, and building electronic projects.
- **AI Research:** Engaging in ongoing research about AI, staying up-to-date with the latest AI models and applications, and experimenting with AI techniques in personal projects.
- **Scientific Research:** Enthusiastically conducting applied scientific research in fields such as [Field of Research], staying updated with the latest research findings, and actively participating in academic discussions and forums.

References

Prof. Dr. Mehrdad Jalali
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Germany, Karlsruhe, Germany
E-mail: mehrdad.jalali@kit.edu

Prof. Dr. Marieke Fischer
Universität Greifswald
Institut für Mathematik und Informatik
Walther-Rathenau-Straße 47
17489 Greifswald, Germany
Email: mareike.fischer@uni-greifswald.de

Prof. Dr. Mohammad Hossein Moattar
Azad University of Mashahd
Ostad Yousefi St., Mashhad, Khorasan Razavi, Islamic Republic of Iran
E-mail: moattar@mshdiau.ac.ir

Prof. Dr. Seyyed Abed Hosseini
Assistant Professor
Azad University of Mashhad
Yousefi St., Mashhad, Khorasan Razavi, Islamic Republic of Iran
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