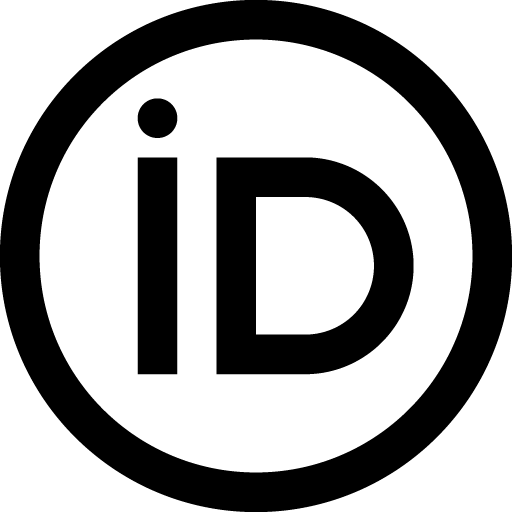
**Amir Reza Kazemloo**

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Orcid: https://orcid.org/0000-0003-4263-1639



Linkedin: amirreza-kazemloo-02ab891b2



GitHub: https://github.com/amirreza1998









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YouTube: https://www.youtube.com/channel/UCwRjTwucfGneYdiV3w8BILg



E-Mail: [amirrezakazemloo1998@gmail.com](mailto:amirrezakazemloo1998@gmail.com)



MS. Artificial intelligence engineering, K. N. Toosi University of Technology, Cumulative GPA: 3.8

Contributed to research on domain adaptation problems in machine learning

Sep 2024 – now

2013 - 2017

Diploma in Mathematics and Physics , Allame Helli 11 High school, Tehran, Iran

Overall GPA: 19.62/20

Sep 2017 – 2022

BSc. Electrical Engineering, K. N. Toosi University of Technology, Cumulative GPA: 3.43/4 – last 2 year CGPA :3.78

**BSc Thesis Title**: Skull and scalp segmentation in neonatal cerebral MRI using subject-specific probabilistic models. **Advisor**: Pr. Hamid Abrishami Moghaddam

Member of MVMIP Laboratory .  **Supervisor:** Pr. Hamid Abrishami Moghaddam

**Education**

**Field of Interest**

Medical image processing, Artificial Intelligence, Pattern recognition, Machine Learning, Computer Vision, Neural Networks, Image Processing

**Publication**

Hokmabadi, E., Abrishami Moghaddam, H., Kazemloo, A., Gity, M., Wallois, F. (2024). Subject-Specific Probability Maps of Scalp, Skull and Cerebrospinal Fluid for Cranial Bones Segmentation in Neonatal Cerebral MRIs. \*IRBM\*, 2024-08. https://doi.org/10.1016/j.irbm.2024.100844

**Published**

**Under Revision**

An intelligent sleep apnea classification system based on EEG signals

Teaching Assistant, **Linear Algebra**, Instructor: Dr. Behrooz Nasihatkon.

**Academic Experience**

Teaching Assistant, **Fundamentals of Computer Vision**, Instructor: Dr. Behrooz Nasihatkon.

**Spring 2022**

**Fall 2021**

Teaching Assistant, **Pattern Recognition & Image Processing**, Instructor: Pr. Hamid Abrishami Moghaddam.

**Fall-Spring 2022**

**At K. N. Toosi University of Technology**

**Verified certificates from Coursera online MOOC platform**

* Deep Learning Specialization(5 courses)| deeplearning.ai
* Machine Learning Specialization(3 courses)| Stanford university-Coursera
* TensorFlow Developer Professional Certificate| deeplearning.ai
* Mathematics for Machine Learning: Linear Algebra| imperial college London-Coursera
* [Deep Learning | Neuromatch Academy](https://portal.neuromatchacademy.org/certificate/8a136a26-8c3e-4112-b387-f38ccc075013)

**Certificates**

**Related Work Experiment and Internship**

Jul 2021 – Des 2021

Internship in MVMIP Laboratory,Iran

Sep 2021 – now

Research Assistant in MVMIP Laboratory ,Iran

Jul 2017 – now

Develop website with wordpress & front end as self employee

Sep 2021

Skull Segmentation and Reconstruction From Newborn CT Images Using Coupled Level Sets (Access available upon request via email.)

d classification

Football game player Detection and mapping to 2D map and Classification with Neural Network. [View on GitHub](https://github.com/amirreza1998/detect_and_classify_football_player)

Jul 2021

Jun 2022

Skull and scalp segmentation in neonatal cerebral MRI using subject specific probabilistic models

Jan 2022

A simple graph-based semi-supervised learning approach for imbalance([View on GitHub](https://github.com/amirreza1998/graph-based-semi-supervised-learning-))

**Related Projects**

Jul 2022

Oct 2021

Positioning by wireless signals in the building by machine learning approach([View on GitHub](https://github.com/amirreza1998/wifi_indoor_positioning_base_on_machine_learning))

Simple RNN algorithm for create content of website ([View on GitHub](https://film2subtitle.com/))

Oct 2022

apnea data augmentation and classification by lstm sequential model([View on GitHub](https://github.com/amirreza1998/apnea_data_augmentation_by_concatenation_and_classification_by_lstm_sequential_model))

2022 - Present

Contribution on Design and development of MedVisPy , a medical desktop software developed under Python, aims to help clinics and hospitals analyze and process CT images([View on GitHub](https://mvmip.ee.kntu.ac.ir/page-mvmip9609/fa/137/form/pId19731))

clinics and hospitals analyze and process CT images

([web site link](https://film2subtitle.com/))

2024–Present

Created and manage *NeuroMasterio*, an educational YouTube channel focused on Python programming, machine learning, and artificial intelligence concepts. [Watch on YouTube](https://www.youtube.com/channel/UCwRjTwucfGneYdiV3w8BILg)

d classification

Python(advance), html, css, SQL, C++, js

OpenCV , Numpy, Tensorflow 1.x & Keras, Scikit-learn, FFmpeg, SimpleITK, Scipy, PyQt, Pandas, ANTs, skimage, matplotlib, Spm

Programming Languages

Libraries and Frameworks

Software, OS & Frameworks

Linux, WordPress, Git, Roboflow

**Technical Skills**

**Related Courses**

Computer Programming: (4 out of 4) Computer Vision and image processing : (4 out of 4)

Linear Algebra: (4 out of 4) Digital Signal Processing : (4 out of 4)

Pattern Recognition: (4 out of 4) Neural Network (4 out of 4) Machine Learning(4 out of 4)

**Prof. Hamid Abrishami Moghaddam**

**Professor of AI and Biomedical Engineering**

Email: moghaddam@kntu.ac.ir

**References**

**Language Proficiency**

TOEFL (Test of English as a Foreign Language)

Score: 98 Date of Completion: 2021