



Poorya MohammadiNasab

M. Sc. student in Artificial Intelligence,
Iran University of Science and Technology

 pooryamn.github.io

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Research Interests

Computer Vision

Medical Image Analysis

Image Processing

Deep Learning

Machine Learning

Feature Selection

Education

Iran University of Science and Technology (IUST)

M. Sc. in Artificial Intelligence

Sep. 2021 – Present | Tehran, Iran

Selected Courses

Image Processing (17.9 / 20)

Computer Vision (20 / 20)

Artificial Neural Networks (18.5 / 20)

Deep Learning (18.48 / 20)

Machine Learning (17 / 20)

Medical Image Analysis (18.2 / 20)

University of Kashan

B. Sc. in Computer engineering

Sep. 2017 – Sep. 2021 | Kashan, Iran

GPA: 3.55 (GPA of the two last years: 3.87)

Selected Courses

Artificial Intelligence (20 / 20)

Data Mining (20 / 20)

Computational Intelligence (20 / 20)

Signals and Systems (18.4 / 20)

Internet of Things (19.5 / 20)

Design of Algorithms (17.5 / 20)

B. Sc. Thesis

Medical image analysis: An overview of techniques and improvements in brain tumor segmentation using image processing algorithms

University of Kashan (2021) - [dx.doi.org/10.13140/RG.2.2.16553.52324](https://doi.org/10.13140/RG.2.2.16553.52324)

Research Experience

Novel optimized crow search algorithm for feature selection

Expert Systems with Applications (2022)

doi.org/10.1016/j.eswa.2022.117486

Solving dimension reduction problems for classification using Promoted Crow Search Algorithm (PCSA)

Computing (2022)

doi.org/10.1007/s00607-021-01037-2

Work Experience

Reviewer at Expert Systems with Applications (ESWA) journal

Elsevier

May 2022 – Present | United Kingdom (remote)

[Certificate](#)

Reviewer at Computer Methods and Programs in Biomedicine (CMPB) journal

Elsevier

Mar. 2023 – Present | Ireland (remote)

[Certificate](#)

Teaching Assistant

Iran University of Science and Technology

Sep. 2022 – Jan. 2023 | Tehran, Iran

[Courses](#)

Pattern Recognition ([Dr. Mohammad Reza Daliri](#))

Computer Vision ([Dr. Mohsen Soryani](#))

Artificial Neural Network ([Dr. Nasser Mozayani](#))

Teaching Assistant

University of Kashan

Feb. 2018 – Jun. 2021 | Kashan, Iran

[Courses](#)

FPGA and ASIC ([Dr. Hossein Karimiyan](#))

Artificial Intelligence ([Dr. Hossein Ebrahimpour](#))

Microprocessors ([Dr. Hosein Sabaghian](#))

Computer Architecture ([Dr. Salman Goli](#))

Logic Circuits ([Dr. Salman Goli](#))

Advanced programming([Dr. Mahsa Shamaee](#))

Skills

Concepts and Technologies

Computer Vision	Image Processing	Deep Learning	Machine Learning
Feature Selection	OpenCV	PyTorch / Keras	FPGA
Git / GitHub	Database	Linux	AVR microcontrollers

Languages and Softwares

Python	C/C++	MATLAB	R
Latex	Verilog	QT framework	Arduino

Projects

Breast Tumor Segmentation and Shape Classification in Mammograms

Feb 2022 - Jul. 2022

github.com/Pooryamn/Breast-Tumor-Segmentation-and-Shape-Classification-in-Mammograms

Brain Tumor Segmentation

May 2021 - Sep. 2021

github.com/Pooryamn/B.S-Thesis-Project

Novel Optimized Crow Search Algorithm (NOCSA)

Mar. 2020 - Apr. 2022

github.com/Pooryamn/NOCSA

Augmented reality (aligning an image in a video)

Apr. 2022 - Jun. 2022

github.com/Pooryamn/Augmented-Reality

Links

Google Scholar: [Poorya MohammadiNasab](#)

GitHub: [Pooryamn](#)

LinkedIn: [Poorya-Mohammadi](#)

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Scopus Page: [Id: 57420479700](#)