

# Amirreza Dolatpour Fathkouhi

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## EDUCATION

**Bachelor of Computer Engineering** GPA: 17.72 (out of 20) 2018 - Present  
Shiraz University of Technology, Shiraz, Iran,

## RESEARCH INTERESTS

Interested in Deep Learning, Machine Learning, Computer Vision and Swarm Intelligence.

## RESEARCH EXPERIENCE

Researcher: Feb 2022- Present

*Data Modeling, Processing, and Analysis Research Group, Shiraz University of Technology*

- Working on preprocessing, analysis and modeling the medical data

Researcher: 2020 – April 2022

*Department of Electrical and Electronic Engineering, Shiraz University of Technology*

- Working on the modified versions of Swarm Optimizers and improve their performance in the hard problems and also its Application as a Hyperparameter tuning in Deep neural network models.
- Contribute to multi-disciplinary project aimed at Programming, Simulation, giving ideas and writing the Results.
- Collaborate and coordinate with supervisor, scientific staff and the other member of a team.

## TEACHING AND MENTORING EXPERIENCE

Teaching Assistant, Advanced Programming: Jan 2020 - Sep 2020

*Department of Computer Engineering, Shiraz University of Technology*

- Supervised 30+ Students and grade their exercises.

Teaching Assistant, Artificial Intelligence and Expert Systems Sep 2020 - Feb 2021

*Department of Computer Engineering, Shiraz University of Technology*

- Supervised 30+ Students on virtual classes and solve their problems.

Teaching Assistant, Computational Intelligence: Mar 2021 -August 2021

*Department of Computer Engineering, Shiraz University of Technology*

- Supervised 40+ Students and solve their problems
- Record movie for their exercise Solutions.

Teaching Assistant, Algorithm Design: Mar 2021 -August 2021

*Department of Computer Engineering, Shiraz University of Technology*

- Supervised 30+ Students on virtual classes and solve their problems.
- design the programming exercises.

## PUBLICATIONS

Automated Deep CNN Design using Modified Bat Algorithm for Vehicle Classification [Under-Review] April 2022

- Ehsan Kiakojouri, Amirreza Dolatpour Fathkouhi, Abdollah Kavousi-Fard, Mazaher Karimi
- *IEEE Transactions on Pattern Analysis and Machine Intelligence*

## HONORS AND AWARDS

Ranked 4th among all the computer engineering students in my year up to the end of the third year of undergraduate program (now) August 2021

## RESEARCH IN PROGRESS

Working on the coronavirus ICU dataset to predict the patient's status

## **TECHNICAL SKILLS**

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Programming languages and mathematical packages:

- *Matlab, C, C++, C#, Java (SE), Python, Tensorflow, Numpy, Pandas.*

Computer aided design/engineering:

- *Intellij IDEA, Pycharm, Visual Studio, weka.*

Other:

- *Windows OS*

## **LANGUAGES**

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Persian: Native

English: Fluent

## **REFERENCES**

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Abdollah Kavousi-Fard, Assistant Professor

*Department of Electrical and Electronic Engineering*

*Shiraz University of Technology*

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