

# Mohammad Saleh Ebrahimi Shahabadi

## Education

### Academic education

- Since 2017 **Bachelor of Science in Computer Science**, *Shahid Bahonar University of Kerman, Kerman, Iran.*  
CGPA: 3.37/4, Major GPA: 3.84/4 *Ranked 3<sup>rd</sup> out of 75+ students.*
- 2014–2017 **Bachelor of Science in Mechanical Engineering**, *Shahid Bahonar University of Kerman, Kerman, Iran*, Changed major to Computer Science.  
*Admission requirement is being ranked in the 99th percentile in Nationwide University Entrance Exam (Concours).*

### Certificates [\(click to view the certificate\)](#)

**Neural Networks and Deep Learning** | deeplearning.ai  
**Improving Deep Neural Networks** | deeplearning.ai  
**Structuring Machine Learning Projects** | deeplearning.ai  
**Convolutional Neural Networks** | deeplearning.ai  
**Data Science Math Skills** | Duke University  
**How to Write and Publish a Scientific Paper (Project-centered Course)** | École Polytechnique  
**Intro. to TensorFlow for AI, ML, and Deep Learning** | deeplearning.ai  
**Machine Learning with Python** | IBM

## Technical Skills

**Programming**, Python, C/C++, MATLAB.  
**Scripting**, HTML, CSS,  $\text{\LaTeX}$ .  
**Machine Learning**, PyTorch, TensorFlow, Keras, Scikit-Learn.  
**Data Management**, Tableau, Pandas, SQL Server.  
**Operating Systems**, Linux, Windows.

## Research Interests

**Computer Vision**, ..  
**Natural Language Processing**.  
**Data Mining**.

## Publications

- 2019 **Mohammad Saleh Ebrahimi Shahabadi, Hamed Tabrizchi, Marjan Kuchaki Rafsanjani.**  
A combination of Clustering-based Under-sampling to overcome Imbalanced Class problem.  
*Under review at Pattern recognition*
- Hamed Tabrizchi, Mohammad Saleh Ebrahimi Shahabadi, Marjan Kuchaki Rafsanjani.**  
A Novel Hybridization of Self-adaptive Multi-verse Optimizer over K-Means for Data Clustering.  
Accepted at 8<sup>th</sup> Joint Congress on Fuzzy and Intelligent Systems- under the supervision of IEEE.

## Projects

- 2015-2017 **Smart wristband for the elderly.**  
**Objective:** Designing a wristband for the elderly to record vital signs and track location in case of an emergency.  
**Description:** The first series of smart wristbands was designed by a group of active students of the Robotics and Mechatronics Association in Shahid Bahonar University of Kerman as a research project under my supervision, passed the design stage and entered the laboratory model construction stage.

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## Experience

### Teaching Experience

Fall Sem. **Advanced Programming Teaching Assistant**, *Shahid Bahonar University of Kerman*.

2018 I was in charge of giving out programming assignments, grading them and holding extra class sessions to solve programming exercises.

### Research Experience

Since 2018 **Research Assistant**, *Department of Computer Science, Shahid Bahonar University of Kerman*.

### University Services

Since 2019 **Data Mining and Machine Learning Group Member**, *Mahani Mathematical Research Center, Shahid Bahonar University of Kerman*., Attended weekly discussions, gave advice to other members and held a lecture: Clustering-based feature selection (with A. Hassani - 2019).

2019 **3<sup>rd</sup> Saba Programming Contest Technical Team Member**, *Shahid Bahonar University of Kerman, Kerman, Iran*, I was in charge of technical coordination and my responsibilities included setting up the computers and the network for the contest..

2016-2018 **Head of Mechanical Engineering Scientific Student Association**, *Department of Mechanical Engineering, Shahid Bahonar University of Kerman, Kerman, Iran*.

As the Head of association, I was in charge of holding extra-curricular courses and student guidance. During my tenure, the association won the 9<sup>th</sup> university-wide HAREKAT award. (1<sup>st</sup> ranked association in the University)

- Held conferences to acquaint students with various fields of mechanical engineering
- Held various courses for Mechanical Engineering related software for undergraduate students
- Worked on industrial research projects

2015-2017 **Editor-in-chief of "Tik" Scientific Journal**, *Shahid Bahonar University of Kerman, Kerman, Iran*, Honorary student scientific journal at the 7<sup>th</sup> university-wide HAREKAT competition.

2015-2016 **Robotics and Mechatronics Student Association Member**, *Shahid Bahonar university of Kerman, Kerman, Iran*.

Worked on various projects and attended in national and international robotic and mechatronic competitions. Some of my work includes:

- Held computer programming, electronics and mechanical design courses for students
- Gave advice to students interested in robotics
- Worked on industrial research projects
- Published "Tik" student scientific journal

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## Honors and Awards

2020 **Distinguished Undergraduate Researcher**, *Department of Mathematics and Computer Science, Shahid Bahonar University of Kerman*., Awarded distinguished researcher among Computer Science students for researches conducted in Machine Learning.

2018 **1<sup>st</sup> Rank Scientific Association**, *Presented by the Vice Chancellor of Shahid Bahonar University of Kerman*, Honored as the **President of Mechanical Engineering Student Scientific Association**, which was chosen as the distinguished association among all scientific associations (80+) in Shahid Bahonar University of Kerman.

2017 **1<sup>st</sup> Rank Scientific Association**, *Presented by the Minister of Science, Research and Technology of Iran*, Honored as a member of Robotics and Mechatronics Student Scientific Association, which was chosen as the distinguished association among all scientific associations (9000+) in Iran in the 9<sup>th</sup> National HAREKAT Competition..

**1<sup>st</sup> Rank Scientific Association**, *Presented by the Vice Minister of Science, Research and Technology of Iran*, Honored as a member of Robotics and Mechatronics Student Scientific Association, which was chosen as the distinguished association among all scientific associations (9000+) in Iran in the 9<sup>th</sup> National HAREKAT Competition..

**1<sup>st</sup> Rank Scientific Association in the Invention Competition**, *Presented by the Vice Minister of Science, Research and Technology of Iran*, Honored as a member of Robotics and Mechatronics Student Scientific Association, which was chosen as the distinguished association among all scientific associations (9000+) in Iran in the 9<sup>th</sup> National HAREKAT Competition..

2016 **1<sup>st</sup> Rank Scientific Association**, *Presented by the Vice Chancellor of Shahid Bahonar University of Kerman*, Honored as a member of Robotics and Mechatronics Student Scientific Association, which was chosen as the distinguished association among all scientific associations (80+) in Shahid Bahonar University of Kerman.

**Honorary Student Scientific Journal Award**, *Presented by the Vice Chancellor of Shahid Bahonar University of Kerman*, Honored as a member of Robotics and Mechatronics Student Scientific Association, honorary student scientific journal award winner among all scientific associations (80+) in Shahid Bahonar University of Kerman.

**1<sup>st</sup> Rank Scientific Association in Creativity**, *Presented by the Vice Chancellor of Shahid Bahonar University of Kerman*, Honored as a member of Robotics and Mechatronics Student Scientific Association, which was chosen as the distinguished association in the creative association competition among all scientific associations (80+) in Shahid Bahonar University of Kerman.

**1<sup>st</sup> Rank Scientific Association in Innovation**, *Presented by the Vice Chancellor of Shahid Bahonar University of Kerman*, Honored as a member of Robotics and Mechatronics Student Scientific Association, which was chosen as the distinguished association in the innovative association competition among all scientific associations (80+) in Shahid Bahonar University of Kerman.

**1<sup>st</sup> Rank Scientific Association in Entrepreneurship**, *Presented by the Vice Chancellor of Shahid Bahonar University of Kerman*, Honored as a member of Robotics and Mechatronics Student Scientific Association, which was chosen as the distinguished association in the innovative association competition among all scientific associations (80+) in Shahid Bahonar University of Kerman.

## Languages

English Professional working proficiency  
Persian Native speaker

## References

### Marjan Kuchaki Rafsanjani

Associate professor at department of Computer Science, Shahid Bahonar University of Kerman.  
[kuchaki@uk.ac.ir](mailto:kuchaki@uk.ac.ir)

### Arsham Borumand Saeid

Professor at the department of Pure Mathematics, Shahid Bahonar University of Kerman.  
[arsham@uk.ac.ir](mailto:arsham@uk.ac.ir)

### Ali Mohammad Shafei

Associate professor at department of Computer Science, Shahid Bahonar University of Kerman.  
[shafei@uk.ac.ir](mailto:shafei@uk.ac.ir)