

# Amir Pouya Moeini

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Linkedin

I recommend getting the latest cv from my homepage (last update of this file: 01/23/2021).

## Education

- 2014–2018 **Diploma**, *Iran Atomic Energy High school* .  
2018–present **BSc. Computer Engineering**, Sharif University of Technology - SUT.  
2020–present **Minor. Mathematics**, Sharif University of Technology - SUT.

## Honors

- 2017 **Gold Medal**, in *National Olympiad Astronomy and Astrophysics*,  
By winning this medal, I was able to select any university and any major I want to.  
2017–present **Member of**, *Iran's National Elites Foundation*.  
2018 **Official member of 12th team of IRAN**, in *International Olympiad Astronomy and Astrophysics (IOAA in Beijing - China)*, which earned First place better than Russia, China, USA, Korea, ... ..  
2018 **Gold Medal**, in *International Astronomy and Astrophysics Olympiad (China - Beijing)*.

## Research Interests

### Academic Research Interests.

- Statistical and Theoretical Machine Learning
- High Dimensional Statistics
- Meta Learning
- Information Theory

## Academic Teaching Experience

- Statistical Machine Learning** , Prof. Rabiee - spring 2021  
**Machine Learning** , Dr. Hosseini - spring 2021  
**Regression Analysis** , Prof. Zangeneh - spring 2021  
**Artificial Intelligence** , Prof. Rohban - spring 2021  
**Linear Algebra** , Prof. Motahari - winter 2020  
**Probabilities and Statistics** , Prof. Omidvar - winter 2020  
**Advanced Programming** - winter 2020  
**Linear Algebra** , Prof. Rabiee - fall 2020-21  
**Data Structures and Algorithms** , Prof. Seddighin - fall 2020-21  
**Probabilities and Statistics** , Prof. Sharifi - fall 2020-21

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## Academic Research Experience

June 2020–  
Now

Undergraduate Research Assistant @DML      Sharif University of Technology, Tehran

Under supervision of Professor Hamid R Rabiee - Social Media, Multimedia Systems

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## Projects

Fall 2020-21 **DML Laboratory**, *Privacy VS Personalization: A Private Meta-Learning Approach for Distributed Data Personalization and user Profiling.*

under supervision of Prof Hamid R Rabiee

Fall 2020-21 **DML Laboratory**, *Fair Private Meta-Learning: Fair-Private Meta-Learning (FPML) Approach for Distributed Multi-Task Data.*

under supervision of Prof Hamid R Rabiee

Fall 2020-21 **DML Laboratory**, *Fake news Detection and Mitigation.*

under supervision of Prof Hamid R Rabiee

Using Representation Learning and Attention models to predict information in cascades and mitigate fake news.

Summer 2019 **Member of Iranian National Observatory Project.**

under supervision of Habib Khosroshahi

Calculating the seeing of the sky (Automatically and Manually), Thus the main telescope will have the situation of the weather and can decide is the weather appropriate for the observation or not.

Visit my github page for more small projects.

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## Related Courses

### Courses Related to my Research Interests.

- Linear Algebra - Prof. Abolfazl Motahari
- Probability and statistic - Prof. Ali Sharifi Zarchi
- Data Structures and Algorithms - Prof. Mahdi Safarnejad
- Artificial Intelligence - Prof. Mahdiyeh Soleymani
- Theory of Machine Learning (Graduate Course) - Prof. Mohammad Ali Maddah-Ali
- Bayesian Methods in Statistics and Machine Learning (Graduate Course) - Prof. Kasra Alishahi
- High Dimensional Statistics (Graduate Course) - Prof. Mohammad Hossein Yassaee
- Stochastic Process - Prof. Mostafa Esfahani Zadeh

### Courses I have audited

- Machine Learning (Graduate Course - Audited) - Prof. Mahdiyeh Soleymani
- Deep Learning (Graduate Course - Audited) - Prof. Mahdiyeh Soleymani
- Stochastic Process (Graduate Course - Audited) - Prof. Kasra Alishahi
- Reinforcement Learning (Graduate Course - Audited) - Prof. Kasra Alishahi
- Information Theory (Graduate Course - Audited) - Prof. Mahtab Mirmohseni
- Introduction to Blockchain (Graduate Course - Audited) - Prof. Mohammad Ali Maddah-Ali
- Many other courses from Stanford, MIT, ...

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## Academic Activities

SHARIF DATA DAYS 2020: Technical and Exec Staff

WSS (WINTER SEMINAR SERIES) 2021: Member of the Content team

SHARIF DATA DAYS 2021: Member of the Scientific team

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## Computer Skills

Programming Languages Python (Advanced), R(Advanced), JavaScript(Advanced), Java(Advanced), C, Matlab

Libraries Python: Pytorch(Advanced), Django(Advanced), NetworkX, Tensorflow  
Javascript: React(Advanced), Redux, Node

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## Languages

Persian Native

English Intermediate

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## Work Experience

2017–2020 **Olympiad Instructor.**

I'm teaching Astronomy and Astrophysics Olympiad to students.

Topics I have taught so far:

- Classical Mechanics, Astrophysics, Cosmology and General relativity, Spherical Astronomy, Special relativity, Data analysis

Places I've worked so far:

- Iran Atomic Energy High school, Salam High school, Allame Tabatabaei, Farzanegan2

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## References

**Prof. Hamid Reza Rabiee.**

Professor, Sharif University of Technology, Computer Engineering Department

- [rabiee@sharif.edu](mailto:rabiee@sharif.edu)
- <http://sharif.edu/~rabiee/>
- <http://dml.ir>

**Dr. Massoud Seddighin.**

Lecturer, Sharif University of Technology, Computer Engineering Department

Researcher, IPM

- [seddighin.masood@gmail.com](mailto:seddighin.masood@gmail.com)
- <https://sites.google.com/view/masoudseddighin>