

# Majid Zarharan

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## Education

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Nov 2021 Sep 2018	<b>Iran University of Science and Technology (IUST)</b> • Ranked 4th among all Iranian Universities (Based on the <a href="#">QS World University Rankings 2022</a> ) • Master's degree in Artificial Intelligence • Supervisor: Dr. Sauleh Eetemadi and Dr. Mohammad Taher Pilehvar • GPA: 3.65 (Ranked 6th among 28 students)	Tehran, Iran
2011 2009	<b>Raja University</b> • BSc. Computer Engineering • GPA: 3.84 • Supervisor: Dr. Hooshang Azizi	Qazvin, Iran
2009 2007	<b>Vocational Technical University</b> • It is called Professor Hessabi • Associate of Computer Software • GPA: 3.82	Shirvan, North Khorasan, Iran

## Honors and Awards

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- **Ranked 150th** in the National Universities Entrance Exam in M.Sc Degree, in Artificial intelligence discipline **among near 30,000 Participants**.
- **Member of [Iran's National Elites Foundation](#)** since 2019.
- **Ranked 6th among 28 graduate** students of AI in the Department of Computer Engineering **with a 3.65 GPA**.
- **Ranked 3rd among 120 undergraduate** students in the Department of Computer Engineering **with a 3.84 GPA**.
- **Ranked 1st among 30 students** in the Vocational Technical University **with a 3.82 GPA**.

## Research Interests

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- Natural Language Processing
- Deep Learning
- Machine Learning (Lifelong learning, Few-shot learning, ...)
- Transfer Learning
- Multimodal AI
- Fake News Detection and Fact-checking
- Visual Question Answering
- Question Answering
- Open Domain Chatbot
- Computer Vision

## Publications

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Persian Stance Classification Data Set. [\[pdf\]](#) (TTO 2019)

M. Zarharan, S. Ahangar, F. Rezvaninejad, M. Lotfi Bidhendi, Sh. Jalali, M. Pilevar, B. Minaei and S. Eetemadi

ParsFEVER: a Dataset for Farsi Fact Extraction and Verification. [\[link\]](#) (\*SEM 2021)

M. Zarharan, M. Ghaderan, A. Pourdabiri, Z. Sayedi, B. Minaei-Bidgoli, S. Eetemadi and M. Pilehvar.

Persian Fake News Detection Using Stance Classification. (In Prep)

Automatic Construction of a Large-scale Dialogue Dataset Based On Movie Subtitles.  
(In Prep)

Developing an Open-Domain Dialogue System, Considering Text and Voice of Movie Dialogues. (In Prep)

## Academic Projects

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### Persian Fake News Detection

*In this project, I use Persian stance detection in order to detect fake news. In addition, this is my Master's dissertation.*

Oct 2020 – Nov 2022

### Persian Stance Detection [\[get data\]](#)

*The final project of the deep learning and natural language processing courses. My "Persian stance classification data set" paper is the result of this project.*

Aug 2019 – Jun 2020

### Educational Data Mining [\[get data\]](#)

*The final project of the data mining course. In this project, I examined students' information and obtaining reasons for academic growth, academic failure, and dropout.*

Jan 2020 – Jun 2020

### Movie Sentiment Analysis

*The final project of the machine learning course.*

Jan 2020 – Jun 2020

### Improving the Prediction of the Minority Class

*One of the pattern recognition course projects. Performing different methods of classifying imbalanced data in order to have realistic accuracy.*

Jul 2019 – Sep 2019

### Online Education Website

*The final project of the Bachelor's degree.*

2011

## Research Experience

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### Developing Persian Fake News Detection and Robot User Detection Systems

- Project Manager and NLP Researcher at [Dadmatach company](#) (Jun 2021 – Present)
- Tech Stack: Python, Tensorflow (Keras), Pytorch, Django, MySQL, Unicorn, Nginx, Scikit-Learn, Matplotlib, Pandas, Numpy, and Seaborn

### Developing a Persian Chit-Chat Dialogue System

- Project Manager and NLP Researcher at [Dadmatach company](#) (Jul 2020 – Jun 2021)
- Tech Stack: Python, Tensorflow (Keras), Pytorch, Django, MySQL, Unicorn, Nginx, Scikit-Learn, Matplotlib, Pandas, Numpy, and Seaborn

### Developing a Persian Fact-checking System

- Project Manager and NLP Researcher at [Iran's National Elites Foundation](#) (Nov 2019 – Sep 2020)
- Tech Stack: Python, Tensorflow (Keras), Django, MySQL, Scikit-Learn, Matplotlib, Pandas, and Numpy

## Industry Experience

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### Senior .Net Developer at [Pajouhesh va Noavari Sanaye Amouzeschi](#) (Oct 2017 – Jul 2020)

- Conducting the first Persian educational data mining as an AI project
- Responsible for maintaining and developing an HR office automation system (for the Ministry of Education)
- Tech Stack: Python, Scikit-Learn, Matplotlib, Pandas, Numpy, Seaborn, C#, SQL Server, Asp.net MVC, AOP, Entity Framework, RabbitMQ, JQuery, Angularjs, Bootstrap, git, TFS, CSS, and Html

## Industry Experience

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### Full Stack Developer at Ican Engineering Group (Feb 2016 – Oct 2017)

- Responsible for Developing and maintenance of an online office automation system
- Adding various product features to the system such as a recommender system and a real-time chat application
- Tech Stack: Ado.net, C#, SQL Server, Asp.net, AOP, JQuery and Javascript, Bootstrap, jQuery UI, SignarR, TFS, CSS, and Html

### Full Stack Developer at Mahan Anbough Payam (Jan 2013 – Feb 2016)

- Developing web and windows applications using .Net
- Tech Stack: Ado.net, C#, SQL server, Asp.net, MVC, Windows Application, SEO, JQuery, Javascript, Entity Framework, Bootstrap, Angular js, Umbraco (asp.net cms), Fast report, jQuery UI, My SQL, Facebook API, Google API, Unit test, Integration test, Design Patterns, MVP, Jira, Scrum, CSS, Html

### Full Stack .Net Developer as Freelancer (Jan 2012 – Jan 2013)

- Developing different websites for the private sector
- Tech Stack: Ado.net, C#, SQL Server, Asp.net, JQuery, Javascript, CSS, and Html

## Teaching Experience

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### Natural Language Processing, Computer Engineering Department of Iran University of Science and Technology, Tehran, Iran (Feb 2021 – Aug 2021)

- Working as a teacher assistant.

### Data Mining, Computer Engineering Department of Iran University of Science and Technology, Tehran, Iran (Feb 2021 – Aug 2021)

- Working as a teacher assistant.

### Fundamentals of Computer Programming, Computer Engineering Department of Iran University of Science and Technology, Tehran, Iran (Sep 2019 – Feb 2020)

- Working as a teacher assistant.

## Computer Skills

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### Programming

- Python (Keras, TensorFlow, PyTorch, sklearn, matplotlib, numpy, ...), Django, ASP.NET, C#, SQL, jQuery, HTML, CSS

### Application

- PyCharm, Visual Studio, MS SQL Server, Microsoft Office

### Platforms

- Windows, Linux

## Certificates

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### Neural Networks and Deep Learning [[link](#)] (2020)

- From coursera.org

### Deep Learning in Machine Vision and Image Processing Course [[link](#)] (2020)

- From Iranian Machine Vision and Image Processing Association.

## Languages

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### Persian (Native Language)

### English (Overall 6.5. speaking:7, reading: 6.5, listening and writing: 6)

- I faced a problem during the Written exam. I could get a higher score if necessary.

## Other Interests

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Soccer, Volleyball, Ping Pong, Badminton, Bodybuilding and Camping

## Reference Professors

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- Behrouz Minaei Bidgoli, Associate Professor, Department of Computer Engineering, Iran University of Science and Technology, Tehran, Iran; [b\\_minaei@iust.ac.ir](mailto:b_minaei@iust.ac.ir)
- Mohammad Taher Pilehvar, Assistant Professor, Department of Computer Engineering, Iran University of Science and Technology, Tehran, Iran; [mp792@cam.ac.uk](mailto:mp792@cam.ac.uk)
- Sauleh Eetemadi, Assistant Professor, Department of Computer Engineering, Iran University of Science and Technology, Tehran, Iran; [sauleh@gmail.com](mailto:sauleh@gmail.com)