

# Parham Hasani

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## Research Interests

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Machine learning; deep learning; artificial neural networks; neurodegenerative disorders.

## Education

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### University of Tabriz

Tabriz, Iran

*M.Sc. Student, soft computing and artificial intelligence, 3.6/4.0*

*September 2018–Present*

Thesis title: Using machine learning and data mining methods for predicting Alzheimer's disease.

Supervisor: Dr. Javad Hajipour, Advisor: Dr. Farnaz Mahan

### University of Tabriz

Tabriz, Iran

*B.S., Computer Science, 3.2/4.0*

*September 2014–September 2018*

### National Organization for Development of Exceptional Talents

Abhar, Iran

*High School Diploma, 19.86/20.00*

*September 2008–September 2012*

## Teaching Experience

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- Graduate TA. **Advanced Deep learning (Graduate student program)** , Instructor: Dr. Habib Izadkhah. University of Tabriz. *September 2020–February 2021.*
- Graduate TA. **Combinations** , Instructor: Dr. Afshin Behmaram. University of Tabriz. *September 2020–February 2021.*
- Graduate TA. **General mathematics(Calculus)** , Instructor: Dr. Afshin Behmaram. University of Tabriz. *September 2020–February 2021.*

## Projects

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### Academic Project.....

- Using Evolutionary algorithms for Graph Coloring.
- Using Machine learning for categorizing Texts.
- Using Deep learning for diagnosing handwriting.
- Using Big data methods for analyzing text data over 1Tb.
- Using ML for predicting Alzheimer's disease.

### Personal Blog and Website.....

- **Neuro.AI Research.** Summaries of top papers, articles, book chapters in AI and neuroscience.
- **AI with Parham.** Collection of Artificial Intelligence news, articles, videos, and podcasts.

## Skills

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- **Languages.** Python, C/C++, MATLAB, Java, R, HTML/CSS,  $\text{\LaTeX}$ .
- **Softwares.** Rapidminer, Weka, Orange, SPSS, PSPP
- **System.** Ubuntu(Linux)

## Courses

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- Artificial intelligence, Grade<sub>4/4</sub>. Advanced Artificial intelligence, Grade<sub>3/4</sub>. Data mining, Grade<sub>4/4</sub>. Advanced-Data mining, Grade<sub>4/4</sub>. Machine learning Grade, Grade<sub>3/4</sub>. Evolutionary algorithms, Grade<sub>3/4</sub>. A course in Computer science(Neuroscience), Grade<sub>4/4</sub>. A course in Computer science(Expert System), Grade<sub>4/4</sub>. Data structure, Grade<sub>4/4</sub>. Algorithms design, Grade<sub>4/4</sub>. Discrete mathematics, Grade<sub>4/4</sub>. Statistics and probability, Grade<sub>4/4</sub>. Linear Optimizing, Grade<sub>4/4</sub>. Database, Grade<sub>4/4</sub>.

## Honors & Awards

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- Ranked 304 in Iranian Master of Computer science entrance exam. 2018
- Top 20 percent in Computer science, Class of 2014, bachelor, university of Tabriz. 2018
- Ranked top 1% out of 500,000 candidates in Iranian Nation-Wide University-Entrance Exam. 2014
- Top Ranked in High school. 2008–2012
- Reached the first step of Iran mathematical Olympiad. 2010

## Activities

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- Review activities of the Iran Journal of Computer Science.
- Associate in Founding Entrepreneurship Center in East Azerbaijan (head of R&D). 2016–2018
- Associate in Founding Entrepreneurship association at the University of Tabriz (head of R&D). 2018
- Associate in Founding Entrepreneurship school. Iran, Tabriz 2017

## Memberships

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- Computer society of Iran.
- Iranian Mathematical Society.
- Iranian Neuroscience Society.
- Iranian society of machine vision and image processing.