




# Hamid Nemati

 [Hamid Nemati](#) |  [nemati.hamid.1998@gmail.com](mailto:nemati.hamid.1998@gmail.com) |  [hamid-nemati.github.io](https://github.com/hamid-nemati)

## Research Interests

I am broadly interested in:

- AI in Finance and Economics
  - Forecasting
  - Text Processing (NLP)
  - Supply Chain Network
  - Computer Vision
- Social Networks
- Reinforcement Learning
- Generative Models
- Big Data
- Fintech

## Education

*M.Sc., Computer Science, University of Tehran*  
*(UT is the most prestigious universities in Iran)*

2021

- Total GPA: 19.6/20 (4/4)
- 1<sup>st</sup> Rank for 3 Semester in a row
- Relevant Course Works:
  - Natural Language Processing (20/20)
  - Neural Network (20/20)
  - Social Network (20/20)
  - Machine Learning (19.2/20)
  - Statistical Inference (18.8/20)
  - Deep Generative Models (Attended as a Guest)
  - Trustworthy AI (Attended as a Guest)
  - Data Analytics (Attended as a Guest)

*B.Sc., Computer Engineering, Isfahan University of Technology*

2016

*(IUT is one of the most prestigious universities in Iran with lowest Average GPA)*

- Total GPA: 15/20 (3.2/4)

*National Organization for Development of Exceptional Talents*

2012

*DIPLOMA IN MATHEMATICS AND PHYSICS DISCIPLINE*

- Total GPA: 20/20 (4/4)

## Working Papers

“The Effect of Increasing Information on Bitcoin Chart Image” With Hesham Faili  
“PersianFinBERT: Persian Financial News Sentiment Analyzer” With Hesham Faili  
“Profit Made by Reinforcement Learning Trader on Chart Image Vs Previous Methods” With Hesham Faili

## Awards and Honors

1<sup>st</sup> Rank for 3 Semester in a row in UT  
Head of Stock Market Framework Team In UT  
Ranked in top 0.5% in Konkur Exam, Of all 148,429 participants in Iran  
IUT Full Scholarship, as an exceptional talent

2023

2022

2016

2016

## Teaching Assistantship

Neural Network, TA, Prof. Ahmad Kalhor, UT  
Advanced Algorithms, Chief TA, Prof. Hesham Faili, UT  
Natural Language Processing, TA, Prof. Hesham Faili  
Neural Network, TA, Prof. Ahmad Kalhor, UT  
Statistical Inference, TA, Prof. A.H. Vahabi, UT

2023-2

2023-2

2023-1

2023-1

2023-1

	Statistical Inference, TA, Prof. Behnam Bahrak, UT	2022-2
	Digital Logic Circuits and Design, Prof. Nader Karimi, IUT	2017-2
	Advance programming lab, C++	2017-2
<b>Work Experience</b>	<b>Data Science Intern</b> , (Sharif Data Analytics)	2019
	<b>Full Stack Developer</b> , (Freelancing)	2018-20
	<ul style="list-style-type: none"> <li>Django, HTML, CSS, javascript</li> </ul>	
	<b>Network Administrator Help Desk</b> , (Highweb)	2017-18
	<ul style="list-style-type: none"> <li>CCNA, CCNP</li> </ul>	
<b>Research Experience</b>	Remote Collaborator at University of Southampton	2023
	Under supervision of Prof. Sasan Barak and Siavash Razmi	
	<ul style="list-style-type: none"> <li>Meta Labeling</li> </ul>	
	Graduate Research Assistant at University of Tehran	2022
	Under supervision of Prof. Hesham Faili and Prof. Masoud Asadpour	
	<ul style="list-style-type: none"> <li>Manger of Stock Market Auto-Trade Platform Team</li> <li>Stock Time Series Forecasting Using Chart Image</li> <li>Auto-Trading with Reinforcement Learning</li> <li>Summerising and Teaching Surveys and Recent Papers Content To The members of Our Team</li> <li>Creating Tutorial on Stock Forecasting Fundamentals and necessary time series libraries for New Members of Our Team.</li> <li>Financial News Sentiment Analysis For <a href="https://8tag.ir/">https://8tag.ir/</a> <ul style="list-style-type: none"> <li>Web Crawling News</li> <li>Crowd Sourcing Labels</li> <li>Training And Deploying NLP Models</li> </ul> </li> <li>Supervising Undergraduate Students Thesis</li> </ul>	
	Member of NLP Study Group	2022
	Under supervision of Prof. Yadollah Yaghoobzadeh	
	<ul style="list-style-type: none"> <li>Summerising and Teaching Surveys and Recent NLP Papers</li> </ul>	
	Undergraduate Research Assistant at Isfahan University of Technology	2019
	Under supervision of Prof. MasoudReze Hashemi and	
	<ul style="list-style-type: none"> <li>Hidden Markov Models, Part of Speech tagging with Forward-Backward, Viterbi and Baum-Welch Algorithm and boosting its performance by adding lexical regular expressions</li> </ul>	2018
	Undergraduate Research Assistant at Isfahan University of Technology	
	Under supervision of Prof. Majid Nabi	
	<ul style="list-style-type: none"> <li>The Effect of social media on teenagers and its relation with ADHD</li> </ul>	
<b>Skills</b>	<p>Programming (C++, Java, Python, R, Logo, Octave, SQL)</p> <p>Tools and Frameworks (PyTorch, Keras, Tensorflow, HuggingFace, Transformers, Git, Darts, Sktime)</p> <p>Traditional Time Series Forecasting Models (SARIMAX, VAR, GARCH)</p> <p>Data Base (SQL Sever, SSIS, SSAS, Power BI)</p> <p>Network (CCNA, CCNP, LPIC1, MCSE)</p> <p>Technical Stock Analysis</p> <p>Web Development</p> <p>Web Crawling</p> <p>Team Mangement and Team Work</p> <p>Research</p>	

**Language**

Persian – Native language

Kurdish – Native language

English – Fluent (TOEFL Mock Test score: 110/120, Reading: 28, Listening: 29, Speaking: 27, Writing: 26)

Spanish – Beginner

**References**

Hesham Faili, hfaili@ut.ac.ir

Ahmad Kalhor, akalhor@ut.ac.ir

Behnam Bahrak, Bahrak@ut.ac.ir

Yadollah Yaghoobzadeh, y.yaghoobzadeh@ut.ac.ir