




# 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
- Big Data
- Fintech

## Education

*M.Sc., Computer Science, University of Tehran*

2021

*(UT is the most prestigious universities in Iran)*

- Total GPA: 19.6/20 (4/4)
- 1<sup>st</sup> Rank for 4 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

2023

Head of Stock Market Framework Team In UT

2022

Ranked in top 0.5% in Konkur Exam, Of all 148,429 participants in Iran

2016

IUT Full Scholarship, as an exceptional talent

2016

## Teaching Assistantship

Neural Network, Chief TA, Prof. Ahmad Kalhor, UT

2023-2

Advanced Algorithms, Chief TA, Prof. Hesham Faili, UT

2023-2

Natural Language Processing, TA, Prof. Hesham Faili

2023-1

Neural Network, TA, Prof. Ahmad Kalhor, UT

2023-1

Statistical Inference, TA, Prof. A.H. Vahabi, UT

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>              | Programming (C++, Java, Python, R, Logo, Octave, SQL)<br>Tools and Frameworks (PyTorch, Keras, Tensorflow, HuggingFace, Transformers, Git, Darts, Sktime)<br>Traditional Time Series Forecasting Models (SARIMAX, VAR, GARCH)<br>Data Base (SQL Sever, SSIS, SSAS, Power BI)<br>Network (CCNA, CCNP, LPIC1, MCSE)<br>Technical Stock Analysis<br>Web Development<br>Web Crawling<br>Team Mangement and Team Work<br>Research   |         |

**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