

Hamid Mahmoodabadi

Machine Learning Engineer (NLP Specialist)

📍 Tehran, Iran

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✉ MahmoodabadiHamid@gmail.com

🌐 LinkedIn Profile

✉ Telegram Channel Contributing to the field since 2017

🐙 Github Account

🎂 Born 29st July 1993

Personal Summary

I feel an unbreakable bond with AI, a domain where innovation fuels my heart's fire. I find deep joy in the journey of designing ideas that balance on the precipice of the unknown, forever chasing the horizon of innovation. My heart beats to the rhythm of data, committed to breathing life into insights that empower choices, yearning to unite with a team that embraces the future with open arms, ambition, and an unquenchable thirst for growth.

WORK EXPERIENCE

2021 (Aug) – present

Securities and Exchange Organization of Iran

Senior Machine Learning Engineer (NLP, Time Series)

Deployed a dockerized real-time social media monitoring tool including a RAG subsystem for tracking stock market trends, deployed a web-based fast-data visualizations dashboard for the CEO and the Finance Minister of Iran, and trained a model to detect abnormal orders.

2020 – 2023 (3 Years)

Nemad Bin Bot, Sharif University of Technology, Tehran, Iran

Machine Learning Engineer (NLP), Founder & Full-Stack Developer

Developed solutions for converting Persian language requests into insightful visualizations (NLP → SQL Query → Python Code → Visualization), implemented innovative software architectures for scalable system performance and avoid single point of failure, engineered a high-performance MySQL database for intensive read-write operations, built a high-speed web crawler for efficient data extraction, analyzed user activity logs to perform usability tests, and led team efforts that attracted over 10,000 monthly-active users to the platform.

2017 – 2021 (3 Years 7 Mon)

Taha Startup Studio, Sharif University of Technology, Tehran, Iran

Machine Learning Engineer (NLP, Image Processing)

Developed fundamental NLP tools in Persian and English, led a team to create a Persian sentiment analysis dataset of over 43,000 sentences with five-class tags, and served as the sentiment analysis dataset. — Developed a video game-playing agent by preprocessing input images, applying on a CNN architecture, optimizing hyperparameters, applying data augmentation, and enhancing model performance.

2016 – 2017 (1 Years 3 Mon)

Sibe Sorkh, MCS Department, Allameh Tabatabaei University, Tehran, Iran

Machine Learning Engineer (NLP), Co-founder

Developed and trained a text classification model to distinguish whether the given ads belongs to homeowner or a real estate agent. Develop a pipeline to Crawl, Clean, and Analyze Data From Web (more than 10.000 rows was been saved every day)

2012– 2015 (3 Years 5 Mon)

Amin Intelliware, Tehran, Iran

Game Developer

Video game developer, Augmented Reality developer

Research Experiences

Springer

Uber's Contribution to Faster Deep Learning, A Case Study in Distributed Model Training

A Chapter in the Book: Advances in Data Clustering: Theory and Applications

Publisher: Springer

Author: Hamid Mahmoodabadi [Link to Chapter Draft] [Link to Amazon]

Under ACL Rolling Review

PSA43K: A Fine-Grained Persian Sentiment Analysis Dataset

First Author: Hamid Mahmoodabadi[Link to Preprint]

Co-Author(s): Leila Afsar

Supervisor: Ahmed M. Abdelmoniem, Queen Mary University of London

2017(July) *Evaluation the Effect of the Dimension Reduction on the Performance of Linear and Non-linear Classifiers*
The Second Annual Conference on Applied Research in Computer and IT Engineering
First Author: Hamid Mahmoodabadi[\[Link to Paper\]](#)
Supervisor: Mohammadreza A. Oskoei, University of Essex

2023(July) *Glossary of Data Science and Machine Learning Terms*
Github Repository
Author: Hamid Mahmoodabadi[\[Link to Repository\]](#)

2019 – 2019 (6 Mon) Research in Finance
Machine Learning Research Engineer | *Department of Economics and Management, Sharif University of Technology, Tehran, Iran*

- Creating a Model to Predict Time Series Data for 10 stock market shares
- Tools: Pytorch + Numpy + RNN(Recursive NN)

EDUCATION

2016 – 2018 MSc: Computer Science - **Artificial Intelligence**
MSC Department | Allameh Tabataei University, Tehran, Iran

- GPA: 16.5/20
- Thesis: *Sentence-based Sentiment Analysis using Deep Recursive Tensor Neural Networks approach* (Supervisor: Dr. Farzad Eskandari). [\[Link to PDF\]](#)

2012 – 2014 BSc: **Computer Software Engineering**
Computer Engineering Department

- GPA: 16.6/20
- Final project: *Designing and Implementing Online Shopping Website from Scratch* (Supervisor: Dr. Amin Ghazizahedi).

Language Proficiency

English (TOEFL iBT Score: 100)
Persian Native
Azeri Professional