

Hamidreza Namjoomanesh

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EDUCATION

Islamic Azad University of Shiraz

Bachelor of Computer Engineering

Shiraz, Iran

Sep 2022 - Expected Jun 2026

- Cumulative GPA (up to 6th semester): 17.53 / 20 (3.6 / 4.0)
- Notable Courses: Data Structures, Algorithm Design, Artificial Intelligence, Compiler Design, Probability and Statistics for Engineers

RESEARCH INTERESTS

• Natural Language Processing • Machine Learning • Deep Learning • Human-Computer Interaction

RESEACH EXPERIENCE

Research Assistant

Oct 2023 – Dec 2023

Islamic Azad University of Shiraz

Shiraz, Iran

- Contributed to an interdisciplinary research project focused on AI-aided design and modeling of engineering components using 3D printing.
- Developed a mobile application to present the background and technical aspects of the project to visitors and judges at the Iran 2023 Research and Technology Exhibition.
- Project was recognized among the top innovations nationwide. Earned a Research Assistant Fellowship and tuition discount for academic excellence.

PROJECTS

Tajrobiat Chatbot: Retrieval-Augmented Academic Advisor Chatbot

Mar 2025

RAG Chatbot

- Available on Github Repo: github.com/hrnrbx/IAUCourseExp-Adviser-bot
- Developed a chatbot for querying real-world course professor reviews using RAG (Retrieval-Augmented Generation). Combined FAISS, Pandas, and HF models for embedding to build a scalable question-answering system over semi-structured data.

Sarcasm-Aware Sentiment Classifier (RoBERTa + BiLSTM + Attention)

Jul 2025

NLP Classification Project

- Available on Github Repo: github.com/hrnrbx/Advanced-Sentiment-Classifier-RoBERTa-BiLSTM-Attention
- Built a hybrid deep model to classify sentiment with sarcasm contrast-aware handling. Combined RoBERTa embeddings with BiLSTM + attention to improve detection on ambiguous and ironic reviews.
- Deployed interactive demo on HuggingFace Spaces using Gradio; trained on IMDB with custom sarcasm samples and error analysis.

TEACHING EXPERIENCE

Chief Teaching Assistant

Apr 2024 – Now

Islamic Azad University of Shiraz

Shiraz, Iran

- Data Structures (for 3 consecutive semesters), Physics II Lab, Operation System Lab, Software Engineering Lab, Computer Networking Lab, Database Lab, Internet Engineering

Teaching Assistant

Sep 2022 – Jun 2023

Islamic Azad University of Shiraz

Shiraz, Iran

- Fundamental of Computer and Programming, Advanced Programming

WORK EXPERIENCE

Junior Data Analyst (Freelance)

Oct 2024 – Present

Remote (Clients in Hong Kong)

- Led end-to-end data analysis projects for international clients across various industries, working remotely from Iran.
- Specialized in Natural Language Processing (NLP), performing unstructured text mining, trend detection, and insight extraction using Python and Pandas.
- Built and evaluated NLP pipelines for document classification, keyword extraction, and semantic search.
- Collaborated on several computer vision tasks, gaining experience in image processing and feature extraction using OpenCV and PyTorch.

TECHNICAL SKILLS

Programming Languages: Python, C/C++, SQL, HTML/CSS, JavaScript (basic)

Machine Learning & Deep Learning: PyTorch, Scikit-Learn, Keras, XGBoost, LightGBM

Natural Language Processing: HuggingFace Transformers, spaCy, NLTK, Gensim, Pattern, TextBlob, CoreNLP, Polyglot, Fairseq, Jina

Data Analysis & Visualization: Pandas, NumPy, Matplotlib, Seaborn, Plotly

Experiment Tracking & Deployment: Weights & Biases (WandB), Gradio, Streamlit, Docker (basic)

Databases & Tools: MySQL, MongoDB, FAISS, LangChain

Version Control & Collaboration: Git, GitHub

Soft Skills: Critical Thinking, Problem-Solving, Technical Writing, Presentation, Team Collaboration

Languages: Persian (Native), English (Professional)

LICENSES & CERTIFICATIONS

TOEFL Exam

To be taken soon

Educational Testing Service (ETS)

- * Registration completed

Machine Learning Specialization

Jul 2024

Coursera - Stanford

- * Credential ID: UTHWV46VBMQZ
- * Comprehensive specialization covering supervised and unsupervised machine learning techniques, including regression, classification, clustering, and neural networks.
- * Includes practical projects and assignments using Python and real datasets.

Algorithms Specialization

Nov 2023

Coursera - Stanford

- * Credential ID: DPZFSEVY48GM
- * Covers fundamental algorithmic techniques including divide and conquer, greedy algorithms, dynamic programming, graph search, shortest paths, NP-completeness, and approximation algorithms.
- * Includes multiple programming assignments and real-world applications of theoretical algorithms.

HOBBIES

YouTube Channel (HamidDidIt)

April 2021 – Present

YouTube

- * Channel link: youtube.com/c/HamidDidIt
- * Create educational videos on Artificial Intelligence, Machine Learning, Deep Learning, and Natural Language Processing.
- * Focus on project-based, technically accurate, and student-friendly content aimed at both beginners and advanced learners.

HONORS & AWARDS

Research Assistant Fellowship Award

December 2023

Islamic Azad University of Shiraz

- * Awarded RA Fellowship and tuition discount in recognition of academic excellence and research impact during national research exhibition.

Top 5% of Entering Class (2022)

Ongoing

Islamic Azad University of Shiraz

- * Ranked among top 5% of students in the 2022 entering cohort.

REFERENCES

Dr. Amin Eskandari

Assistant Professor

- * Computer Engineering Department, Islamic Azad University of Shiraz, Shiraz, Iran
- * E-mail: eskandary.a@gmail.com
- * Relationship: Head of Computer Engineering Department

Dr. Asghar Jahed

Assistant Professor

- * Computer Engineering Department, Islamic Azad University of Shiraz, Shiraz, Iran
- * E-mail: jahed20231403@gmail.com
- * Relationship: Professor