Hamidreza Namjoomanesh

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EDUCATION

Islamic Azad University of Shiraz   Shiraz, Iran
Bachelor of Computer Engineering   *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/hrnrxb/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.

TEACHING EXPERIENCE

Chief Teaching Assistant   Apr 2024 – Now
Islamic Azad University of Shiraz   *Shiraz, Iran*
- Data Structures, 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