

Vahid Rahimzadeh



+98-921-741-2088 | vahyd@live.com | vavre.github.io

 [LinkedIn](#) |  [GitHub](#)
10/25/1997 | Tehran, Iran

RESEARCH INTERESTS

Large Language Models (LLMs), Information Retrieval (IR), Computational Social Science (CSS), LLMs in IR, LLMs in CSS, LLM-based Agents, User Behavior Modeling using LLMs, Retrieval-Enhanced Machine Learning, Personalization & Recommender Systems using LLMs, Reasoning in LLMs, Risks of LLMs, Cultural Studies & Biases in LLMs

EDUCATION

- **University of Tehran**  Sept. 2022 – Present
Tehran, Iran
M.Sc in Information Technology Engineering
Thesis: User Behavior Modeling in Social Networks using LLMs
Supervisors: [Dr. Azadeh Shakery](#), [Dr. Masoud Asadpour](#)
GPA: 4.00/4.00 (18.5/20)
- **Isfahan University of Technology**  Sept. 2016 – Sept. 2021
Isfahan, Iran
B.Sc in Mechatronics, Automation & Robotics
Final Project: Android App for Planar Dynamic Balance of Rotors using Real-time Accelerometer Data
GPA: 3.11/4.00 (15.59/20)

PUBLICATIONS

PerCul: Story-Driven Cultural Evaluation of LLMs in Persian. Accepted at NAACL 2025 main conference.

V Rahimzadeh*, E Mousavi*, Y Yaghoobzadeh, A Shakery, MT Pilehvar. **equal contribution*




From Millions of Tweets to Actionable Insights: Leveraging LLMs for User Understanding. Accepted at MisD @ AAI ICWSM 2025.

V Rahimzadeh, A Hamzehpour, A Shakery, M Asadpour.




PolitiSky24: U.S. Politics Bluesky Dataset with User Stance Labels. Submitted to EMNLP 2025.

P Rostami*, **V Rahimzadeh***, A Adibi, A Shakery. **equal contribution*

PROFESSIONAL EXPERIENCE

- **Research Assistant** Oct. 2024 – Present
Tehran, Iran
Tehran Institute for Advanced Studies (TeIAS) 
 - Working in Large Language Models Lab under the supervision of [Dr. Mohammad Taher Pilehvar](#) & [Dr. Yadollah Yaghoobzadeh](#)
- **AI Engineer | LLM, LLMOps** Oct. 2023 – Oct. 2024
Tehran, Iran
RamonAI, ModAI App 
 - Maintaining the main GitLab Repository with 7+ people actively working on it
 - Implementing & Monitoring LLM based Real-time pipelines on Millions of data using scalable queuing, databases & monitoring systems like NATs, Redis, PostgreSQL, Prometheus, Grafana & Sentry
 - Scalable Deployment & Monitoring of LLMs using vLLM, TGI, LangFuse, Grafana & Sentry
 - Implementing complex Chatbot backend using LangGraph
 - Using & Fine-tuning Different LLMs & VLMs
 - Implementing various RAG based Solutions based on LLMs & KBs like Elasticsearch & Milvus
 - Involvement in complex semantic/lexical search & retrieval systems using Elasticsearch
- **Co-Founder, Software Engineer** Jun. 2019 – Oct. 2023
Tehran, Iran
Qorfechi 
 - Planned, designed & developed multiple world class standard websites using the latest technologies
 - Implementing AI based features in Dashboards

LEADERSHIP EXPERIENCE

- **Advising an M.Sc. Student (Admitted Through Exceptional Talents Program)** Oct. 2024 – Present

Intelligent Information Systems Lab, University of Tehran
 - Currently advising on thesis proposal defense and collaborating on a paper for SIGIR 2025
- **Mentored the first-ranked student of the B.Sc. Computer Engineering Class of 2021** Jun. 2024 – Oct. 2024

Intelligent Information Systems Lab, University of Tehran
 - Covered NLP from basics to LLMs
 - Resulted in a submission to ECIR 2025 & subsequent research projects are in progress
- **Mentored 2 Interns focused on NLP** Jun. 2024 – Sept. 2024

RamonAI
 - Covered relevant NLP concepts from tokenization & embeddings to LLMs
 - Covered relevant Industry knowledge from python to API for AI products & Dockerized applications
 - They both landed jobs as junior NLP engineers in the company
 - One of them is maintaining the backend for a product & the other is in charge of APIs

SELECTED PROJECTS

- **LLM based Medical Assistant Chatbot Using LangGraph**
Tools: LLaMa 3 70B, FAISS, LangChain, Sentence Transformers [YouTube][GitHub]
 - Developed a chatbot system leveraging advanced language models for medical assistance
- **LLM Based Book Search System on Ketabrah Books**
Tools: BeautifulSoup, LangChain, ChromaDB, Sentence Transformers, Numpy [GitHub]
 - Implemented a conversational book search system & evaluated retrieval using nDCG, P@K
- **Dynamic Benchmarking Logic Adaptable to Different LLMs, Prompts & Visualizations**
Tools: LangChain, Python, tqdm, Pandas, [GitHub]
 - Conducted benchmarking of 32+ language models as part of the PerCul paper
- **Processing & Filtering of 6M+ Tweets**
Tools: PyTorch, Peft, Scikit Learn, Pandas, LanceDB [GitHub]
 - Implemented tweet selection algorithms & scalable retrievers, clustering methods & semi-supervised fine-tuned BERT based classifier as a part of my second paper
- **Personalized Apply Agent**
Tools: CrewAI, LangGraph, LangChain, Milvus, Jina Embeddings [GitHub]
 - A tool to organize and efficiently retrieve information for PhD apply of myself based on LLM based agents and pipelines

TEACHING EXPERIENCE

- **TA in Large Language Models** 2025–Present
ECE @ University of Tehran, Dr. Yadollah Yaghoobzadeh, Dr. Mohammad Javad Dousti
- **TA in Advanced Natural Language Processing** 2024–Present
CS @ University of Cardiff, Dr. Mohammad Taher Pilehvar
 - Designed Hands-on Assignments on Fine-tuning and In Context Learning techniques in LLMs
- **Head TA in Advanced Data Mining** 2023–Present
ECE @ University of Tehran, Dr. Azadeh Shakery [Course Website]
 - Implemented the course’s website
 - Worked with a wonderful diverse team of 6 TAs
 - Coordinated 6 CAs, 3 Workshops & Paper presentation module for the course
- **TA in Intelligent Information Retrieval** 2023–2025
ECE @ University of Tehran, Dr Azadeh Shakery [Course Website]
 - Designed a completely new final project for the course based on curation of relevancy dataset & implementing various retrieval algorithms & evaluations in the context of a conversational RAG system (2024)
 - Implemented the course website (2024)
 - Held workshops on fine-tuning BERT for classification for the first time (2023)
- **TA in Natural Language Processing** 2023
ECE @ University of Tehran, Dr. Heshaam Faili [Course Website]
 - Implemented the course website
 - Changed the dialogue system & chatbot (Final Project) entirely from Rasa to LangGraph & LLM based approaches
 - Designed a 12 step carefully crafted CA based on cutting edge technologies & open source tools
 - Held a Workshop on the matter since the high quality relevant materials were not available on the Internet

SKILLS

- **Soft Skills** Teamwork, Meeting Tight Deadlines
- **Programming Languages** Python, Javascript
- **Large Language Models** vLLM, LangChain, LangFuse, TGI, Unsloth, HF Trainer, PEFT, Datasets, TRL
- **Databases** ElasticSearch, Milvus, lanceDB, Redis, PostgreSQL
- **Pipeline & Monitoring Tools** NATs, Prometheus, Grafana, Portainer, Sentry
- **Tools & Misc** GitLab, JIRA, Docker Compose, Confluence
- **Machine Learning** PyTorch, Scikit Learn, evaluate
- **Retrieval** Sentence Transformers, Lexical Retrieval, Semantic Retrieval, ColBERT, BM25
- **Web Technologies** Laravel, VueJS, Swiper, Streamlit, Gradio
- **Additional Skills:** Code Reviewing, Repository Maintenance, Team Management

HONORS & AWARDS

- Ranked 2nd in Nationwide Graduate Level University Entrance Test of Information Technology Engineering 2022
- Ranked 6th in Nationwide Graduate Level University Entrance Test of Computer Engineering 2022

LANGUAGES

Persian: Native, English: Fluent