

# Vahid Rahimzadeh

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 [Linkedin](#) |  [GitHub](#)

Delft, Netherlands | Updated: Dec 2025

## 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

- **Delft University of Technology**   
*Ph.D. in Artificial Intelligence* Oct. 2025 – Present  
Delft, Netherlands  
Working on the safe and responsible integration of AI in digital environments  
**Supervisors:** [Savvas Zannettou](#), [Yury Zhauniarovich](#)  
**GPA:** 4.00/4.00 (18.5/20)
- **University of Tehran**   
*M.Sc. in Information Technology Engineering* Sep. 2022 – Aug. 2025  
Tehran, Iran  
**Thesis:** User Behavior Modeling in Social Networks using LLMs  
**Supervisors:** [Azadeh Shakery](#), [Masoud Asadpour](#)  
**GPA:** 4.00/4.00 (18.5/20)
- **Isfahan University of Technology**   
*B.Sc. in Mechatronics, Automation & Robotics* Sep. 2016 – Sep. 2021  
Isfahan, Iran  
**Final Project:** Android App for Planar Dynamic Balance of Rotors using Real-time Accelerometer Data  
**GPA:** 3.11/4.00 (15.59/20)

## PUBLICATIONS

"PolitiSky24: U.S. Politics Bluesky Dataset with User Stance Labels". Accepted at **EMNLP 2025, Findings**.

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

"SYNTHIA: Synthethic Yet Naturally Tailored Human-Inspired PersonAs". Submitted to **AAAI 2025**.

**V Rahimzadeh\***, E Moosavi\*, MT Pilehvar, Y Yaghoobzadeh. *\*equal contribution*




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

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

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

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

## PROFESSIONAL EXPERIENCE

- **Researcher** Oct. 2024 – Oct. 2025  
Tehran, Iran  
*Tehran Institute for Advanced Studies (TeIAS)* 
  - Working in Large Language Models Lab under the supervision of [Mohammad Taher Pilehvar](#) & [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
  - Using & Fine-tuning Different LLMs & VLMs
  - Implementing RAG based Solutions based on LLMs & KBs & Milvus & complex chatbot back-ends using LangGraph
  - 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


- **Supervised 2 Bachelor Students for Summer Internship**  
*Large Language Models Lab, Tehran Institute for Advanced Studies (TeIAS)*
    - Supervised research projects with planned paper submission for ACL 2026
  - **Advised an M.Sc. Student (Admitted Through Exceptional Talents Program)**  
*Intelligent Information Systems Lab, University of Tehran*
  - **Mentored the first-ranked student of the B.Sc. Computer Engineering Class of 2025**  
*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**  
*ModAI & 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


May 2025 – Sep. 2025


Oct. 2024 – Sep. 2025


Jun. 2024 – Oct. 2024

Jun. 2024 – Sep. 2024









TEACHING EXPERIENCE

- **TA in Large Language Models**  
*ECE @ University of Tehran, Yadollah Yaghoobzadeh, Mohammad Javad Dousti*
  - **TA in Advanced Natural Language Processing**  
*CS @ University of Cardiff, Mohammad Taher Pilehvar*
    - Designined Hands-on Assignments on Fine-tuning and In Context Learning techniques in LLMs
  - **Head TA in Advanced Data Mining**  
*ECE @ University of Tehran, Azadeh Shakery*
    - 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**  
*ECE @ University of Tehran, Dr Azadeh Shakery*
    - 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**  
*ECE @ University of Tehran, Heshaam Faili*
    - 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

2025

2024–2025

2023–2025

2023–2025

2023

[\[Course Website\]](#)

[\[Course Website\]](#)

[\[Course Website\]](#)

SELECTED PROJECTS

- **LLM based Medical Assistant Chatbot Using LangGraph**  
*Tools: LLaMa 3 70B, FAISS, LangChain, Sentence Transformers*
    - 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*
    - 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,*
    - Conducted benchmarking of 32+ language models as part of the PerCul paper
  - **Processing & Filtering of 6M+ Tweets**  
*Tools: PyTorch, Peft, Scikit Learn, Pandas, LanceDB*
    - 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*
    - A tool to organize and efficiently retrieve information for PhD apply of myself based on LLM based agents and pipelines

[\[YouTube\]](#)[\[GitHub\]](#)

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SKILLS

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- **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

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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

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**Persian:** Native,  
**English:** Advanced (IELTS Academic: 8.5/9.0 - Reading: 9.0, Listening: 9.0, Speaking: 7.5, Writing: 7.5)