

ARYAN AHADINIA

MSc Student at EPFL

+41779414278 aryan.ahadinia@epfl.ch  AryanAhadinia  ahadinia

EDUCATION

MSc	EPFL , Computer Science	Present
	GPA: 5.58 /6, Credits Passed: 67 /120 Notable Courses: Machine Learning (6/6), Applied Data Analysis (6/6)	2024-09
BSc	Sharif University of Technology , Computer Engineering	2023-09
	GPA: 19.31 /20, Ranked Top 10% (17th /187) Thesis: “Analysing and Modeling Observed Signals and Graph Structure in Social Networks”	2019-09
HS	Allameh Helli High School , High School Diploma in Mathematics and Physics	2019-07
	GPA: 19.50 /20 High School of National Organization for Development of Exceptional Talents	2016-09

PUBLICATIONS

VISIT MY GOOGLE SCHOLAR 

- [1] A. Bardou, A. Gonon, **A. Ahadinia**, and P. Thiran, “Symmetry-aware bayesian optimization via max kernels,” 2025. arXiv: 2509.25051 [stat.ML]. [Online]. Available: <https://arxiv.org/abs/2509.25051>.
- [2] M. Ramezani, **A. Ahadinia**, E. Farhadi, and H. R. Rabiee, “DANI: Fast diffusion aware network inference with preserving topological structure property,” *Scientific Reports*, 2024. [Online]. Available: <https://doi.org/10.1038/s41598-024-82286-x>.
- [3] M. Ramezani, **A. Ahadinia**, A. Ziaei Bideh, and H. R. Rabiee, “Joint inference of diffusion and structure in partially observed social networks using coupled matrix factorization,” *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 2023. [Online]. Available: <https://doi.org/10.1145/3599237>.

INDUSTRIAL EXPERIENCES

Research Assistant Intern , Oracle Labs Switzerland	Present
Developing and evaluating reasoning agents.	2025-07
Developing agents via Model Context Protocol (MCP).	
ML-Ops Engineering Intern* , Wize Analytics	2022-10
Developed a highly adaptive automated platform to manage distributed CI/CD of services.	2022-07

RESEARCH EXPERIENCES

Master Research Project Student* , INDY 2, IC, EPFL	2025-06
Worked on encoding invariance in BO for lower theoretical and empirical regret [1].	2025-02
Student Assistant , LWE, STI, EPFL	2025-06
Worked on efficient deep equilibrium models for transformer models.	2025-03
Volunteer Student Researcher* , Sharif University of Technology	2024-05
Developed a joint inference model [3] based on Probabilistic Graphical Models (PGM).	2021-09
Developed a scalable probabilistic model [2] to infer the underlying network using Markov chains.	
Developed a dynamic multi-modal framework for the detection of fake news in social networks.	
Voluntarily held a discussion group for freshmen and sophomores to discuss research preliminaries.	

TEACHING EXPERIENCES

Teaching Assistant* , Sharif University of Technology			
Linear Algebra (as Head TA)	S22, F22, S23, F23	Artificial Intelligence	F22
Artificial Intelligence (as Head TA)	S23, F23	Stochastic Machine Learning	S23
Linear Algebra	F21	Machine Learning Systems Design	S23

*Unpaid position.

Natural Language Processing	F23, S24	Operating Systems	F23
Reinforcement Learning	S24	Web Programming	F22
Probability and Statistics	F21, S22	Design of Programming Languages	S22
Computer Language and Structure	F22	Fundamentals of Programming	F20


HONORS AND AWARDS

Graduated in the Top 10% of Class of 2019 Entries of Computer Engineering Students	2023
Ranked 10 th in the National Olympiad of Computer Engineering	2023
ACM Professional Member	2023
Admitted to High Schools of National Organization for Development of Exceptional Talents	2016
Admitted to Mid-Schools of National Organization for Development of Exceptional Talents	2013

SKILLS

Machine Learning	PyTorch, Tensorflow, Scikit-learn, NetworkX, NLTK, spaCy, Spark, MCP, Ray, MLFlow, Optuna, GPyTorch, BOPorch
Programming	Python, Java, C/C++, JS/TS, Kotlin, Dart, Lisp, Scala, R
Development	Git, Docker, Django, React, Nginx, Android Programming, Flutter, Linux
Databases	Relational Modeling, SQL Databases, PostgreSQL, MongoDB, InfluxDB
Others	Object-oriented programming, Functional programming, Selenium, Verilog, L ^A T _E X

NOTABLE COURSE PROJECTS

VISIT MY GITHUB: @ARYANAHADINIA 

Movies Remakes (CS-401: Applied Data Analysis @ EPFL)

A detailed analysis to reveal patterns in the movies remake industry.

Predicting Personality and Intelligence (CS-433: Machine Learning @ EPFL)

Exploring the possibility of predicting the intelligence and personality traits of an individual using their speech.

Flight Delays (COM-480: Data Visualization @ EPFL)

An interactive visualization of US flight delays.

Book Recommender System (CS-423: Distributed Information Systems @ EPFL)

Developing a full pipe-line of data gathering and rating prediction for book recommender system.

Termix = Term + Mix (CE-419: Web Programming and CE-429 Mobile Programming @ Sharif)

A semester pre-scheduling web/mobile application for the Sharif students. To be deployed soon.

Audio-Text Localizer (CE-677: Natural Language Processing @ Sharif)

Finding a joint embedding between text and audio for localization using contrastive learning.

CV Information Extractor (CE-677: Natural Language Processing @ Sharif)

An application for extract and parse information from a PDF CV.

NumExtract (CE-324: Advanced Information Retrieval @ Sharif)

A System to find, parse, and convert numbers and complex quantifiers in Persian texts.

LANGUAGE SKILLS

English C1 Advanced; TOEFL iBT: **100** (*MyBest*TM: **104**, Examined on November 2023)

Persian Native

PEER-REVIEWING SERVICES

Elsevier Expert Systems with Applications	since Jul 2024
Elsevier Information Sciences	since Dec 2023

last update on October 31, 2025