

Ahmad Rasti Barzoki

Technology Leader | Data Scientist | AI/ML Researcher

AHMAD RASTI BARZOKI

ahmadrasti11@gmail.com

[LinkedIn](#) | [GitHub](#)

[Google Scholar](#) | [ORCID](#)

PROFILE

Technology leader, Data Scientist and AI/ML researcher with a background in applied mathematics, data science, analytics engineering and enterprise technology. Experience spans machine learning research, graph-based methods, data engineering, business analytics, automation and AI-enabled decision support, with a focus on technically rigorous solutions that translate into practical impact.

PROFESSIONAL EXPERIENCE

Technology Leadership, Data & AI | Gantoum / Bonzad **2023 - Present**

- Lead technology, data, analytics and AI initiatives across business operations, enterprise systems and digital transformation.
- Drive data-driven decision support, process automation, system integration and scalable technology solutions for growing business units.
- Progressed from hands-on data science responsibilities into senior data and technology leadership.

Instructor - Deep Neural Networks **Part-time**

- Delivered practical instruction on neural networks, deep learning concepts and applied machine learning workflows.

EDUCATION

M.Sc. in Applied Mathematics - Data Science | Isfahan University of Technology

- GPA: 18.63/20; ranked 1st in the incoming cohort.
- Research focus: unsupervised anomaly detection using graph neural networks, graph representation learning and graph autoencoders.

B.Sc. in Mathematics

Strong mathematical foundation supporting later work in data science, machine learning and modeling.

TECHNICAL SKILLS

Python	SQL	Machine Learning	Deep Learning
Graph ML / GNNs	Data Engineering	Analytics Engineering	Power BI
Git & GitHub	Docker	Enterprise Systems	Process Automation

PROFESSIONAL & RESEARCH LINKS

[LinkedIn](#) • [GitHub](#) • [Google Scholar](#) • [ORCID](#) • [Website](#)

RESEARCH INTERESTS

Graph Machine Learning	Graph Neural Networks	Anomaly Detection
Representation Learning	Applied AI	AI for Healthcare
Time-Series	Responsible Generative AI	AI in Education

SELECTED PUBLICATION

EGenAI-DBR: A Design-Based Framework for Responsible Generative AI Integration in Higher Education

Peer-reviewed research on responsible and structured integration of generative AI in higher-education settings.

SELECTED PUBLIC PROJECTS

Graph Anomaly Detection [Repository](#)

Research implementation of graph autoencoder anomaly detection with GAT and MST-geodesic regularization.

Retail Analytics Engineering [Repository](#)

Clean-room retail analytics engineering with synthetic data, validation, dimensional analysis, testing and CI.

Rahkaran ERP-MySQL Integration [Repository](#)

Clean-room reference implementation of a synthetic ERP-to-MySQL integration pipeline.

TEACHING & ACADEMIC ROLES

- Teaching Assistant - General Mathematics 1 & 2
 - Teaching Assistant - Differential Equations
 - Teaching Assistant - Deep Learning
- Teaching Assistant - Algebra
 - Teaching Assistant - Mathematical Foundations of Data Science
 - Instructor - Deep Neural Networks

PUBLIC CV NOTE

This public CV presents one consistent professional and academic profile. Position-specific application materials may emphasize different relevant experience while keeping the underlying record consistent.