

Mazyar Bahrami

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LinkedIn | Google Scholar
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PhD Researcher in Management | Information Systems and AI Governance

Interdisciplinary researcher connecting organizational theory, digital technologies, data science, and professional practice.

Professional Profile

PhD researcher in Management at Luiss Guido Carli University with an interdisciplinary background spanning mechanical engineering, finance, business analysis, data science, blockchain, and Information Systems. My research focuses on AI governance, cybersecurity management, governance by design, and the organizational adoption of emerging technologies. Several years of professional experience in engineering, consulting, digital commerce, and analytics inform a practice-oriented approach to academic research.

Research Interests

AI governance and responsible AI adoption • Information Systems • Governance by design • Cybersecurity management and resilience • Digital transformation • Collaborative and privacy-preserving AI • Design Science Research • Computational and causal methods • Technology, cognition, and society

Education

PhD in Management

Luiss Guido Carli University, Rome, Italy

2025–2029

Research interests: Information Systems, AI governance, cybersecurity management, organizational capabilities, digital transformation, and the organizational implications of emerging technologies.

MSc in Data Science and Management

Luiss Guido Carli University, Rome, Italy

2022–2024

Thesis: A Decentralized and Privacy-Preserving Framework for AI Model Training in Healthcare: Integrating Federated Learning and Blockchain.

Master of Business Administration in Finance

Kharazmi University, Tehran, Iran

2015–2017

Thesis: Analysis of Hybrid Model Performance in Default Risk Assessment of Companies Listed on the Tehran Stock Exchange.

BSc in Mechanical Engineering

Qom University of Technology, Qom, Iran

2010–2014

Thesis: Computational Modelling and Simulation of a Shell-and-Tube Heat Exchanger.

Research and Publications

MANUSCRIPT IN ADVANCED PREPARATION

Bahrami, M., & Spagnoletti, P. Governance by Design in Federated Learning for Healthcare: Embedding Cryptographic Accountability and Regulatory Compliance into Clinical AI Systems.

CURRENT DOCTORAL RESEARCH

From Compliance to Resilience: Cybersecurity Governance as an Adaptive Control-Loop Capability. Theory-driven research using causal machine learning for measurement and causal inference.

JOURNAL ARTICLE

Bahrami, M., & Nabizadeh, A. (2021). A study of the performance of hybrid models in assessing default risk for companies listed on the Tehran Stock Exchange. *Journal of Financial Management Strategy*.

Professional Experience

PhD Researcher in Management Luiss Guido Carli University, Rome, Italy	2025–Present
- Research on AI governance, cybersecurity management, Information Systems, organizational capabilities, and computational methods. - Developing theory-driven empirical and design-oriented studies at the intersection of organizations and digital technologies.	
Blockchain Developer LaborX, Rome, Italy	2024–2025
Worked with decentralized and blockchain-based technologies, gaining practical insight into traceability, permission, verification, and technical governance mechanisms.	
Sales Data Analyst Golrang Industrial Group / Ofogh Koorosh Chain, Tehran, Iran	2021–2022
- Analysed sales and operational patterns across a large retail network. - Developed decision-support reporting and translated data into insights for commercial and operational teams.	
Category Sales Developer Snapp Group / Bamilo, Tehran, Iran	2018–2019
Supported commercial planning, sales forecasting, subcategory performance analysis, supplier assessment, and business development in digital commerce.	
Business Analyst The European House – Ambrosetti, Tehran, Iran	2017–2018
- Contributed to market research, strategic analysis, and consulting assignments across national and international organizational contexts. - Structured ambiguous business questions and communicated evidence to decision-makers.	
Computational Fluid Dynamics Engineer Iran Polymer and Petrochemical Institute, Tehran, Iran	2014–2017
- Worked on computational modelling, simulation, and engineering analysis of complex systems. - Developed a strong foundation in model formulation, assumptions, validation, and analytical communication.	

Analytical and Technical Skills

Research Methods	Quantitative research, Design Science Research, statistical analysis, econometrics, causal inference, computational modelling, simulation, network analysis, and data visualization.
Machine Learning	Machine learning, natural language processing, feature engineering, model evaluation, causal machine learning, and applied predictive analytics.
Programming	Python, R, STATA, MATLAB, Solidity, and SQL.
Tools	Power BI, Tableau, Excel, Microsoft Office 365, Canva, and Photoshop.

Honors and Awards

Best Master’s Thesis in Data Management	DAMA Italy, 2025
Full Tuition Waiver Scholarship	Luiss Guido Carli University, 2022
Full Tuition Waiver Scholarship	MBA Program, National Award, 2015
Top 1% in the Iranian National Master’s Entrance Examination	2015
Full Tuition Waiver Scholarship	BSc in Mechanical Engineering, National Award, 2010