

# Hamed Izadian

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EDUCATION	<b>Kharazmi University</b>  M.S. in Industrial Engineering - Advisor: Hamid Reza Pasandideh - Thesis: Modeling a bi-objective closed-loop supply chain with robust optimization and considering imperfect quality and on-time delivery - GPA: 18.42/20 (3.88/4)	<b>Tehran, Iran</b>  Sep 2022- Sep 2025
	<b>University of Tehran</b>  B.S. in Industrial Engineering - GPA: 16.14/20 (3.34/4)	<b>Tehran, Iran</b>  Sep 2018- Sep 2022
RESEARCH INTEREST	<ul style="list-style-type: none"><li>• Operations Research</li><li>• Mathematical Modeling</li><li>• Machine learning</li><li>• Quality Control</li></ul>	<ul style="list-style-type: none"><li>• Inventory Management</li><li>• Supply Chain Management</li><li>• Healthcare Systems</li></ul>
PUBLICATIONS	<b>Submitted papers</b>  1) Izadian, H., & Pasandideh, S. H. R. <i>Modeling a bi-objective closed-loop supply chain considering imperfect quality production and on-time delivery. Annals of Operations Research.</i>	
	<b>Working papers</b>  1) Izadian, H., & Pasandideh, S. H. R. <i>The Multi-Depot Multi-Trip VRP with Simultaneous Pickup and Delivery Under Stochastic Traveling Times</i>	
LANGUAGE	<ul style="list-style-type: none"><li>• TOEFL iBT: R: 21 L: 25 S: 25 W: 23 Overall: 94</li></ul>	
WORKING EXPERIENCES	 1) Internship, Production processes design and group logistics Department, Saipa, Jul 2022- Aug 2022 Tasks: Motion and time study on the automotive production line, and plant layout	
TEACHING EXPERIENCES	 1) Teaching assistant, Operations Research II & Mathematical Modeling in GAMS Kharazmi University Fall 2024 2) Teaching assistant, Integer Programming & Inventory Control Courses Kharazmi University Spring 2024 3) Teaching assistant, Operations Research II & Python programming for Optimization (Gurobipy) Kharazmi University Fall 2023	
PROJECTS	 1) Bike sharing demand prediction, Data-mining Course, Kharazmi University, Spring 2023 2) Towards the circular economy: Analysis of barriers to implementation of zero waste management in the automotive industry using the ISM-fuzzy MICMAC approach, University of Tehran, Jul 2022 – Aug 2022	

## SKILLS

### Programming skills:

- Proficient in Python, C++, and Metaheuristic Algorithms in MATLAB
- Expert level at mathematical modeling in GAMS
- Experience with Gurobipy and DOCPLEX
- Experience with supervised machine learning algorithms in Python
- Familiar with HTML, CSS & Java

### Software skills:

- MS project, Enterprise Dynamics (ED), VS code, IBM CPLEX studio

### Mathematical skills:

- Operations Research, Mathematical modeling, Integer Programming, Linear algebra, Robust optimization

### Other skills:

- Teaching, Communication, Team work, Problem solving, Innovation, Adaptability

## LICENSES AND CERTIFICATES

- 1) Optimization in Python using Gurobipy and DOCPLEX, Sep 2025
- 2) Robust Optimization & Decision-Making Under Uncertainty, Aug 2025
- 3) Statistics for Data Science, Toseeh Higher Education institution, In progress
- 4) General Algebra Modeling Systems (GAMS) for Optimization, Feb 2024
- 5) Supply Chain Analytics in Python, DataCamp, Feb 2024
- 6) Simulation analytics for logistics and supply chain management with Enterprise Dynamics (ED), Sharif University of Technology, Aug 2022
- 7) Programming for Everybody (Getting Started with Python), Coursera, Jul 2022

## HONORS AND AWARDS

- 1) Ranked within the top 5 % among approximately 144,000 participants in the National Entrance Examination Form Iranian universities, Iran
- 2) Ranked as the 3rd top student among 20 students of Industrial Engineering at the end of the Master's, Kharazmi University, Iran

## LEADERSHIP POSITIONS

- Secretary of the Cultural Association of the University of Tehran

## REFERENCES

Dr. Hamid Reza Pasandideh  
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