

# Erfan Amani Bani

## Present Address

London Business School  
Sussex Place  
Regent's Park, London

## Contact Info

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## Education

- **Doctor of Philosophy, Management Science and Operations**

London Business School, 2025 – 2030 (Expected)

- **Master of Science, Industrial Engineering (Optimization Methods)**

Sharif University of Technology, 2023 – 2025

- **Bachelor of Science, Industrial Engineering**

Sharif University of Technology, 2019 – 2023

## Research

### Interests

**Theory:** Operations Research

**Application:** Healthcare Operations Management, Supply Chain Design, Route Planning, Pricing and Revenue Management, Scheduling

## Publications

Ali Fallahi, Erfan Amani Bani, and Mohsen Varmazyar. “Towards sustainable scheduling of unrelated parallel batch processors: A multiobjective approach with triple bottom line, classical and data-driven robust optimization”. In: *Computers & Operations Research* 173 (2025), p. 106863.

Erfan Amani Bani, Ali Fallahi, Mohsen Varmazyar, and Mahdi Fathi. “Designing a sustainable reverse supply chain network for COVID-19 vaccine waste under uncertainty”. In: *Computers & Industrial Engineering* 174 (2022), p. 108808.

Ali Fallahi, Erfan Amani Bani, and Seyed Taghi Akhavan Niaki. “A constrained multi-item EOQ inventory model for reusable items: Reinforcement learning-based differential evolution and particle swarm optimization”. In: *Expert Systems with Applications* 207 (2022), p. 118018.

## Work

### Experience

#### Snapp!

Mar. 2025 – Sep. 2025

*Senior AI Developer*

Snapp! is the largest ride-hailing and delivery platform in Iran, with more than 70 million users and over 2 million active drivers. I developed and deployed optimization and AI-based solutions to improve large-scale operational performance in this high-volume environment.

**FLYTZI**

Feb. 2024 – Feb. 2025

*Co-founder and Optimization Engineer*

Co-founded FLYTZI, a mid-mile logistics platform that intelligently matches vendors with drivers. Contributed to building optimization engines for routing and parcel loading.

**Academic****Experience****Review Service**

Sep. 2022 – Sep. 2025

Reviewer for *Transportation Research: Part E, Expert Systems with Applications*, and *IEEE Transactions on Pattern Analysis and Machine Intelligence*.

**Teaching Experience (Sharif University of Technology)**

2022 – 2025

**Head Teaching Assistant:** Engineering Statistics, Engineering Economics, Plant Layout, Project Control, Transportation Planning, Simulation Principles.

**Teaching Assistant:** Dynamic Programming, Operations Research I, Probability Theory and Applications, Python Programming.

**Service &****Volunteering****Game Design and Development Team Lead, Gamein**

2022 – 2023

Led game design and product development for a major educational event with 3,300+ participants.

**Skills**

**Programming:** Python, GAMS, R, SQL,  $\text{\LaTeX}$ , Matlab, Julia, Git

**Languages:** Persian (Native), English (Fluent)

**Honors and****Awards**

- Awarded direct admission to Master's program due to high GPA.
- Ranked in top **0.2%** of national university entrance exam.