

FATIH KAAAN BOSTAN

INDUSTRIAL ENGINEERING

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SUMMARY

I am a 3rd-year Industrial Engineering student with a minor in Computer Science. I have hands-on experience in Python, Java, and Microsoft Office tools, and a strong interest in optimization and data analysis. I enjoy integrating engineering principles with software development to solve complex, real-world problems. I am a fast learner, highly detail-oriented, and passionate about technology, innovation, and continuous improvement.

TECHNICAL SKILLS

Python (NumPy, Pandas, Gurobi, Monte Carlo)
Java (OOP, Data Structures, Algorithms)
Linear Programming
Microsoft Excel (Advanced functions, solver)

PROFESSIONAL SKILLS

Collaboration & Teamwork
Problem Solving
Time Management
Critical Thinking

PROJECTS & EXPERIENCE

Retail Demand Forecasting & Stock Optimization App

Personal Project – Python, Streamlit, Plotly

- Built an interactive app for ABC analysis and demand forecasting using sales data
- Enabled CSV/manual data input and dynamic visualizations (line, pie, heatmap)
- Implemented EOQ model and provided stock level recommendations
- Designed clean UI with custom HTML/CSS for enhanced user experience

Inventory Management System

Personal Project - HTML, CSS, JavaScript

- Developed a responsive web app using HTML, CSS, and JavaScript for real-time product and stock tracking.
- Implemented features such as stock in/out logging, filtering, editing, and statistics dashboard.
- Used localStorage for data persistence without a backend.

EDUCATION

Ozyegin University - Istanbul, Turkey

Sep 2022 - Jun 2027

Bachelor of Science in Industrial Engineering

- Minor: Computer Science
- Relevant Courses: Operations Research, Programming with Python, Linear Programming, Simulation, Differential Equations, Economy.

ADDITIONAL INFORMATION

- Languages:** English: B2 - Upper Intermediate
- Private Tutor:** University Entrance Exam (YKS) Preparation
 - Offered guidance on exam strategies and problem-solving techniques.
 - Tutored high school students for the YKS exam over two years.

SOCIAL ACTIVITIES

SEC Course, [Nisantepi Middle School /Istanbul]

2024 - 2025

- Explained the basic concepts of artificial intelligence (AI) to children in a simple and visual way.
- Helped children understand what AI is and how it works.
- Created AI-assisted images together with the children and wrote stories based on those visuals.
- Encouraged creativity and social skills development through group activities.
- Gained teamwork experience and developed a sense of social responsibility.