

Şeyma Koltuklu

Recent MIS graduate focused on analyzing business processes and transforming them into automation-driven solutions. Experienced in workflow optimization, system integration, and data-driven problem solving through internships. Interested in applying AI and automation technologies to improve operational efficiency.

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EDUCATION

Marmara University

Management Information Systems (English) - 3.00 GPA

Sep 2021 - Feb 2026

WORK EXPERIENCE

Nobel Learning PBC

Automation Intern

Sep 2025 - Feb 2026

- Analyzed operational workflows and identified opportunities for automation, contributing to solution design based on user and business needs
- Developed automation scripts using Google Apps Script (Sheets, Drive, Gmail) to streamline processes and improve efficiency
- Designed and implemented a browser-based pre-meeting verification system with real-time audio, video, and connectivity validation, ensuring system reliability

Türkiye National Observatory

Business Development Intern

Jul 2025 - Aug 2025

- Analyzed manual data entry workflows and automated over 2000 records using Python, reducing manual workload by 16+ hours and enabling a recurring monthly process
- Modeled the observation request process using BPMN (swimlane diagrams) and created structured process documentation

Baykar Technologies

Information Systems Engineering Intern

Feb 2025 - May 2025

- Analyzed compatibility issues between simulation and field systems, identifying potential causes related to virtualization and system environments
- Conducted network traffic analysis using tools such as Wireshark and Tshark to support system investigation and troubleshooting

PROJECT

System Design Project

Nov 2023

- Conducted requirements analysis and designed a software system for digitizing fast-food operations
- Created use case diagrams and contributed to data modeling
- Designed user interfaces to improve operational efficiency and centralized management

Operational Simulation & Investment Analysis (Excel)

Dec 2024

- Built an Excel-based simulation model to analyze logistics operations and capacity planning
- Applied statistical distributions to evaluate demand and operational scenarios
- Translated analytical outputs into business-oriented insights and decision-support reports

Machine Learning Project - TÜBİTAK 2209-A

Jun 2025

- Developed a hierarchical Random Forest model using Python to improve prediction accuracy
- Performed model training, cross-validation, and hyperparameter tuning (scikit-learn)
- Analyzed and visualized results using Matplotlib and Seaborn

SKILLS

- Process & Analysis: Workflow Analysis, BPMN, Process Improvement
- Automation & Data: Python, SQL, Selenium, Google Apps Script
- Technical: JavaScript, REST APIs, Next.js, Git, Docker, Linux/Windows, Wireshark

Languages

- Turkish (Native)
- English (Advanced)
- German (Beginner)