

# Onur Deniz Özdemir

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## EDUCATION

**Galatasaray University** Istanbul, Turkey  
BS. Computer Engineering 2023 – Present  
GPA: 3.45. Relevant Coursework: Computer Networks, Signals and Systems, Introduction to the Internet of Things.

**Galatasaray University** Istanbul, Turkey  
BS. Industrial Engineering 2021 – Present  
GPA: 3.65. Relevant Coursework: Operations Research, Modeling and Simulation, Systems Analysis.

**SIGMA Clermont** Clermont-Ferrand, France  
Erasmus Exchange Program. Production and Logistics Systems. Sep. 2025 – Dec. 2025  
GPA: 3.52. Relevant Coursework: Project Management, Robotization and Automation, Engineering and Study Methods.

**Bursa Erkek Lisesi (High School)** Bursa, Turkey  
Ranked 292<sup>nd</sup> nationally in the Higher Education Institutions Exam. 2021

## EXPERIENCE

**Renault Group** Bursa, Turkey  
After Sales Engineering Intern Jul. 2025 – Aug. 2025

- Implemented a robotic process automation (RPA) based digitalization project using Python, Power Automate, and Power BI to analyze production data.
- Achieved a 98% improvement in the average process cycle time (from 9:33 minutes to 8 seconds), with a 0% data entry error rate.

**Google AI and Technology Academy** Remote  
Trainee Nov. 2024 – Jun. 2025

- Underwent months of training in AI, Data Science, Machine Learning, and Project Management and developed real life projects based on these fields.
- Selected among 2,000 interns from over 25,000 applicants.

**Yazaki** Bursa, Turkey  
Industrial Engineering Production Intern Jul. 2024

- Conducted an agile time & motion study to optimize production line efficiency.
- Gained rotational experience across multiple departments including Project Planning, Production Management, Production Planning, Logistics, and Supply Chain.

## LEADERSHIP

**Galatasaray University IEEE Student Branch** Istanbul, Turkey  
President Jun. 2023 – Jun. 2025

- Led a student branch with 300+ members, ensuring active participation and continuous growth.
- Managed communication with various companies for events and long-term relations.

**Galatasaray University AI and Data Science Club** Istanbul, Turkey  
Co-Founder Mar. 2024 – Present

- Co-founded the first AI student community at the university alongside 11 other members.

## SKILLS

**Language:** English (C1), French (DELFB2), German (A1), Turkish (Native)

**Programming:** Python, C, Java, SQL, GAMS, MATLAB

**Tools:** Microsoft Office (Excel, Word, PowerPoint, Access), Wireshark, Git, AutoCAD, CATIA V5, Unity

**Data:** Microsoft Power BI, Power Automate, SQL Server, SSMS; Apache Kafka, Spark, Hadoop; Google Cloud

**Soft Skills:** Leadership, Teamwork, Adaptability, Project Management, Analytical Thinking, Time Management

## PROJECTS

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### Galatasaray University

Industrial Engineering Undergraduate Thesis

Istanbul, Turkey

Feb. 2026 – Present

- Developing an Industry 5.0 and Lean 5.0 smart manufacturing system integrated with multi-agent artificial intelligence systems to achieve autonomous, real-time reasoning on production lines.
- Utilizing deep learning, collaborative robotics, large language models (LLMs) with retrieval-augmented generation and digital twins throughout the project.

### Galatasaray University

IND433 Enterprise Resources Planning: Cisco Benefit Cost Analysis

Istanbul, Turkey

Feb. 026

- Conducted a comprehensive valuation of Cisco's ERP overhaul by calculating WACC and CAPM to determine risk-adjusted returns, developing S-curve investment phasing, and performing sensitivity analysis to provide a data-driven ROI recommendation.

### Michelin

Projet 2A: Légumerie Facility Planning Project

Clermont-Ferrand, France

Sep. 2025 – Dec. 2025

- Collaborated with Michelin to plan a vegetable processing facility by utilizing data science to analyze regional demand, producer capacity, and vegetable seasonality.
- Applied systems engineering to define the project scope along with use-case scenarios and design the facility layout with real world constraints.
- Conducted as an academic project within a team during my Erasmus exchange at SIGMA Clermont.

### Galatasaray University

INF333 Operating Systems: Pintos Project

Istanbul, Turkey

Feb. 2025 – Jun. 2025

- Programmed a functional x86 operating system (Pintos) kernel in C, implementing low-level components including multithreading, priority scheduling, and virtual memory management.

### Galatasaray University

INF438 Advanced Databases: Istanbul Smart City Project

Istanbul, Turkey

Jan. 2025

- Engineered an ETL pipeline to process multimodal time-series data from the İBB Open Data Portal using SQL, Google BigQuery, and Looker Studio for real-time urban decision-making.

### The Scientific and Technological Research Council of Turkey

Research Project Student

Bursa, Turkey

2019 & 2020

- Developed two research projects within the 2204-A program: Maglev technology adaptation on bikes (2020) and self-powered computer mice using kinetic energy (2019).

## COMPETITIONS

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### NTT DATA

Case Competition Finalist

Istanbul, Turkey

Dec. 2024

- Developed a sustainable, data-driven solution with proactive risk management for a resource allocation problem within 3 hours.

### FIRST Lego League

Team Member "Monster Lego"

Bursa, Turkey

2014 - 2015

- Built a sensor-based autonomous robot using Lego Mindstorms for it to overcome complex obstacle courses.

## CERTIFICATIONS

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DELFI B2 French Language Diploma

Cisco Computer Networking Basics

Cisco Introduction to Data Science

Akbank Cybersecurity 101

Miul Python for Data Science

Miul Machine Learning

Miul Feature Engineering