

## EDUCATION

### Sabanci University – Istanbul, Turkey

September 2021 - January 2026

- B.S. in **Computer Science & Engineering** | Dean's Honor List | **CGPA: 3.4/4.0**
- Key Coursework:** Data Science, Database Systems, Natural Language Processing, Artificial Intelligence, Machine Learning, Algorithms, Software Engineering, Data Structures, Mobile Development.

## EXPERIENCE

### Philip Morris International

Istanbul, Turkey

Commercial IT Analyst Intern, Full-Time

July 2025 - Present

- Migrated Power BI reports from AWS to Snowflake database with optimized queries and modernized UI design, improving report performance and user experience
- Automated key IT workflows using Jira and AWS, including test reporting and security monitoring, to improve team productivity and support compliance efforts.

### McKinsey & Company

Istanbul, Turkey

Experience McKinsey Program Participant

June 2025 - June 2025

- Applied McKinsey problem-solving frameworks to real business cases, developed investment strategies in team settings, and networked with consultants from diverse backgrounds.

### QNB IBTech

Kocaeli, Turkey

Software Developer, Part-Time

October 2024 – March 2025

- Refactored C# and Java code and optimized Oracle SQL queries for the Leasing Branch application, resulting in a 10% faster transaction data retrieval rate.
- Leveraged Jira and Azure DevOps to manage daily feature tasks and optimizations assigned by the Product Manager, ensuring on-time delivery and streamlined development workflows.

### Bosch Turkey

Bursa, Turkey

R&D Software Engineer Intern, Full-Time

July 2024 - September 2024

- Developed and integrated a Python-based data analysis application, boosting process performance by 90% and enabling analysis of 50 times more data.
- Shortened the nozzle R&D cycle by 20% through effective collaboration with cross-functional teams.

## PROJECTS

### Research Management System (Sabanci University, 2025):

- Architected and deployed a full-stack research management system for Sabanci University, supporting 500+ student applications and 100+ faculty projects with advanced multi-role workflows (PHP, MySQL).
- Reduced administrative processing time by 60% by implementing optimized database queries and term-based deadline management.

### Instagram Influencer Classification & Engagement Prediction (2024):

- Developed a machine learning system to classify Instagram accounts and predict post engagement, achieving 71.8% accuracy and 0.92  $R^2$  (Python, Scikit-learn, Random Forest, SMOTE).

### Price Prediction of Commodity Market (2024):

- Designed and deployed machine learning forecasting models for commodity markets, achieving a 33% gain in price prediction accuracy through advanced Decision Tree methods (Python, Pandas, Scikit-learn).

### Full Stack Mobile Music Application (2024):

- Developed a music discovery app with song ratings/comments; boosted database speed by 20% through indexing, and query optimization. (Java, Spring Boot, MongoDB, Android SDK).

## TECHNICAL SKILLS

**Languages:** Turkish (Native), English (Fluent).

**Programming:** Python, Java, MySQL, C++, PHP, C#.

**Frameworks/Libraries:** Pandas, Numpy, Scikit-learn, Spring Boot, Android SDK, PyQt6, Matplotlib, Plotly.

**Tools/Platforms:** Jira, Excel, Power BI, Visual Studio, Eclipse, Git, AWS, DBeaver, Azure DevOps Server.

**Concepts:** Scrum, OOP, Data Analysis, Backend Development, Machine Learning, Data Structures & Algorithms.