

İpek Naz Sipahi

Computer Engineering Student

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ABOUT ME

Highly motivated Computer Engineering student (GPA: 3.35) specializing in Data Science and Artificial Intelligence. Passionate about applying analytical thinking to game design dynamics and player **behaviour**. Proven leadership experience managing multidisciplinary teams and organizing large-scale development events. Seeking to leverage skills in Python, SQL, and Machine Learning to solve complex engineering challenges.

EDUCATION

Manisa Celal Bayar University

Manisa, Turkey

Bachelor of Engineering, Computer Engineering

September 2022 – June 2026

Cumulative GPA: 3.35/ 4.00

Relevant Courses: Artificial Intelligence, Machine Learning, Natural Language Processing (NLP), Biologically Inspired Algorithms, Database Management, Design and Analysis of Algorithms, Statistics.

EXPERIENCE

Vicat Group Türkiye (Konya Çimento SAN. A.Ş.) | IT Intern |

Konya, Turkey

July 2025 – August 2025

- Utilized **SQL** to generate automated standard reports and dashboards, directly aiding management in **profit/loss decision-making** regarding product types.
- Supported daily operations of **ERP systems** (SAP, Oracle) and identified workflow improvements, contributing a concrete idea for a new system module.
- Leveraged **Power BI** to visualize data and assist in process optimization within a fast-paced manufacturing environment.

KEY PROJECTS

Explainable AI (XAI) for Strategic Game Decisions | *Graduation Project* |

Oct 2025 – Present

- Developing an AI model to analyze and explain strategic moves in the board game **Go**, focusing on making complex algorithms interpretable for human players.
- Researching **Star-point patterns** and joseki to train the model on high-level strategic behaviours and decision-making logic.
- Technologies:* Python, Machine Learning Libraries, Data Visualization.

SKILLS & CERTIFICATIONS

- Languages & Core:** Python (OOP, Pandas, NumPy, Django), SQL (PostgreSQL, MSSQL), C#, JavaScript, HTML, CSS.
- Tools & Platforms:** Git/GitHub, Microsoft Excel, Power BI, Streamlit.
- Soft Skills:** Analytical Thinking, Problem-Solving, Agile Leadership, Team Collaboration.
- Languages:** Turkish (Native), English (C1), Japanese (Beginner).

Certifications:

- Machine Learning Specialization** – Coursera (*In Progress*)
- Explainable AI (XAI) Specialization** - Coursera (*In Progress*)
- 100 Days of Code: The Complete Python Pro Bootcamp** – Udemy (*In Progress*)
- The Complete Full-Stack Web Development Bootcamp** – Udemy (*In Progress*)
- [Google Project Management](#)
- [Data & Digital Skills – P&G VIA](#)

STUDENT ORGANIZATIONS

PAGIT – DIGITAL GAME DEVELOPMENT TEAM, Team Leader

MCBU, Manisa, Turkey

September 2024 – September 2025

- Directed a multidisciplinary team of **5** students across game development projects, and organising game development class, coordinating timelines and communication to ensure **100%** on-time project delivery.
- Orchestrated a highly successful game jam event for **over 50** participants, resulting in the creation of **13** functional game prototypes.
- Fostered a collaborative environment that encouraged creativity and skill growth among team members.