

SENA KÜÇÜK

Junior Software Engineer

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Software Engineering graduate with hands-on experience at Koluman Motorized Vehicles A.Ş. Skilled in C#, ASP.NET MVC, Entity Framework, MSSQL, Python, React, and Next.js, with a strong focus on web application development. Developed “KolumanSoft,” a project tracking and archiving system, and completed the capstone project “Optimization of Market Location and Price Information with Artificial Intelligence.” Experienced in requirements analysis, system design, debugging, and testing, with a proactive and continuous learning mindset.

EDUCATION

Bachelor of Software Engineering (English)

2020 – 2025

Ankara Science University, Ankara

- Full Scholarship (100%)
- GPA: 2.7 / 4.0
- Graduation Project: Optimization of Market Location and Price Information with Artificial Intelligence

High School Diploma

2015 – 2019

Özkent Akbilek Science High School, Ankara

- Graduation Score: 91 / 100

TECHNICAL SKILLS

Programming Languages: Python, Java, C#, JavaScript, C++

Web Technologies: HTML, CSS

Frameworks & Libraries: ASP.NET MVC, .NET, Entity Framework, React, Next.js, DevExpress

Databases: MSSQL

WORK EXPERIENCE

SCA Social — Career Center Project Management Intern

June 2025 – July 2025

- Supported planning, documentation, and coordination of career-oriented projects within structured workflows.
- Collaborated with cross-functional teams through training programs in Management, Project Management, Artificial Intelligence, and IT Law, and completed a capstone project.

Koluman Motorized Vehicles A.Ş. — Long-term Intern

January 2025 – May 2025

- Developed “KolumanSoft,” an internal project tracking and archiving system supporting enterprise workflows.
- Implemented backend components using C#, ASP.NET MVC, Entity Framework, and MSSQL.
- Collaborated on requirements analysis, system architecture, and database design.
- Conducted debugging, testing, and performance improvements to enhance system reliability.

General Directorate of Highways — Intern

July 2024 – August 2024

- Developed small-scale desktop applications, including Tetris and Nine Stones games, to strengthen algorithmic thinking, object-oriented programming, and user interface development skills.
- Assisted in documentation and basic data handling tasks.

MZV–MEF YetGen — 21st Century Competencies Awareness Program Intern

September 2022 – December 2022

- Completed an intensive competency development program focused on teamwork, communication, problem-solving, and leadership.
- Participated in workshops and project-based activities.

PROJECTS

Optimization of Market Location and Price Information with Artificial Intelligence

Developed an AI-based capstone project to analyze market locations and optimize price information for decision support. Designed data-driven workflows by combining analytical methods and optimization techniques. Built a web-based interface using Next.js to present analysis results and support user interaction. Focused on problem-solving, analytical thinking, and system-level design throughout the project. *Technologies:* Python, Artificial Intelligence, Data Analysis, Optimization Techniques, Next.js

KolumanSoft — Project Tracking and Archiving System

Developed an internal web-based system for tracking and archiving projects within the organization. Implemented backend functionalities using C#, ASP.NET MVC, Entity Framework, and MSSQL. Applied the Database First approach for data modeling and integrated database schemas into the application. Supported requirements analysis, system design, debugging, testing, and performance optimization. *Technologies:* C#, ASP.NET MVC, Entity Framework (Database First), MSSQL

Desktop Application Projects (Tetris & Nine Stones)

Developed desktop-based applications focusing on algorithm design, object-oriented programming, and user interface development. Implemented game logic, rule-based systems, and interactive UI components. *Technologies:* Python, HTML5

LANGUAGES

English: C1 (Advanced)

German: A1 (Beginner)

VOLUNTEERING

IEEE Ankara Science: Vice President, WIE Chair, Social Media Creator

2020 – 2022

Tech Ankara Robot Races • Teknofest (Electric Vehicle Category)

2020 – 2021

Future Studies Institute (Robotic Coding Instructor)

2020 – 2021

REFERENCES

Prof. Dr. Ender SEVİNÇ - Ankara Science University

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Dr. Yüksel ARSLAN - Ankara Science University

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Engin DAŞ - Software Analyst, Koluman Motorized Vehicles A.Ş.

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Türker ÖZDEMİR - Software Specialist, General Directorate of Highways

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