

BAHAR TURAN

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About Me

Fourth year Software Engineering student at Ankara University with a strong project-based background. Completed coursework projects including a pharmacy medication management system, a Turkish mythology story-based game, and the Point Cafe online ordering system (details on GitHub). As an active member of the Ankara University Cyber Security Community, I organized the university's first cybersecurity summit a 500 person event held at the DTCF Grand Hall. My internship experience includes numerical data work at Teus Technology (an AI company) and image processing at the Ankara University AI Institute, where I contributed to medical imaging projects using hospital data. I submitted a paper to Scientific Reports (Nature), currently under peer review, and have continued volunteering at the institute ever since.

Education

Software Engineering , <i>Ankara University</i>	2023 – 2027
Nesibe Aydın High School	2018 – 2022

Skills

AI

TensorFlow • PyTorch • CNN • Computer Vision • Deep Learning

Backend

Node.js • Express • REST API • JWT

Programming

Python • Java • JavaScript • C++

Databases

MongoDB • MySQL • Supabase

Tools

Git • GitHub • Postman • VS Code • IntelliJ • PyCharm

Language

English

B2

Spanish

A2

Hobbies

- Horse Riding
- Theater

Experiences

AI & Data Researcher, *Ankara University AI Institute*

8 months | 3-month internship + 5-month volunteer

- Developed deep learning models for medical image analysis.
- Performed image preprocessing and data augmentation.
- Evaluated CNN and Transformer architectures for tumor detection.

Towards Clinically Reliable AI: CNN, Transformer & Hybrid Architectures for Meningioma Detection, *Scientific Reports (Q1)*

under review

AI & Data Intern, Teus Technology

06/2024 – 08/2024

Summer, 2 months, Volunteer

- Processed and analyzed numerical datasets using Python.
- Performed data preprocessing and visualization for AI workflows.
- Collaborated with the AI team on data-driven projects.

References

Prof. Dr. Mehmet Serdar Güzel, Ankara University Artificial Intelligence Institute
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Projects

Towards Clinically Reliable AI: CNN, Transformer & Hybrid Architectures for Meningioma Detection, *Scientific Reports (Q1)*, under review 06/2025 – 09/2025

Conducted research on meningioma tumor analysis using medical imaging and deep learning techniques, focusing on accurate classification and early detection support. The study explores the application of AI in improving diagnostic performance in brain tumor identification.

Youra, *Smart Wardrobe System* 03/2026 – 06/2026

A smart outfit recommendation application that helps users create personalized outfit combinations from their existing wardrobe based on weather conditions, color harmony, and personal style preferences. Developed using Node.js, Express, MongoDB, and AI-powered recommendation features.

Liver Tumor Segmentation 11/2025 – 05/2026

Developed an AI-based medical imaging system for liver tumor detection and classification using deep learning. Implemented image preprocessing, data augmentation, model optimization, and performance evaluation for computer-aided diagnosis.

Point Cafe, *Online food ordering system* 08/2025 – 12/2025

Developed Point Cafe, a Java-based café management system with a MySQL database, providing order processing, inventory management, sales tracking, and table management through an intuitive interface.

Pharmacy Management System

Designed and implemented a Java-based Pharmacy Management System with MySQL integration, featuring medicine inventory management, real-time stock updates, sales processing, and database-driven record management.