Yüşa Emir Metin
Computer Engineer

CONTACT

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EXPERIENCE

ASELSAN A.Ş | 2024

FPGA Engineer Intern

Logo Yazılım A.Ş | 2025

Product Developer Intern

TURKSAT | 2025

Candidate Engineer (1 Month)

EDUCATION

TED UNIVERSITY | 2020-2025

Bachelor's of Computer Engineering

GPA: 3.19

Secondary Field: Analitic Data Science

SKILLS

Programmıng Languages

Java, MySQL, Python, AVR and ARM, MIPS Assembly, C

Others

Algorithms, Statistic for Engineers, Data Analysis, Computer architecture, Signals and Systems

PROJECTS

AI-Based DeepFake Speech Detection   2024- 2025

AI-Based DeepFake Speech Detection is a system designed to accurately detect manipulated speech using artificial intelligence. The system will perform spectrum analysis to examine the frequency components of audio signals, identifying anomalies and inconsistencies typical of DeepFake speech. A web interface will allow users to upload audio files for real-time analysis and receive immediate feedback on the authenticity of the speech.

Improved Pac-Man Game   2020- 2021

Group Project, School

We developed an existing game by enhancing its features, focusing on the classic Pac-Man. To increase the challenge, we made levels harder by adding more ghosts after each life loss. The project was coded in Java for both frontend and backend development.

UNDERGRADUATE RESEARCH

AI-Based DeepFake Speech Generation 2024- 2025

Supervisor: Prof. Dr. Hakkı Gökhan İlk – TED University

Conducted a comprehensive study on synthetic speech generation and speaker cloning using neural TTS models such as Tacotron2-DDC, HiFi-GAN, and YourTTS. Developed a system capable of converting text into natural-sounding speech and mimicking a target speaker's voice from short audio samples. Analyzed the acoustic structure of generated speech through mel-spectrograms to identify limitations in prosody, breath cues, and emotional variation. Explored these artifacts as potential features for distinguishing synthetic speech from real human voice, contributing to deepfake detection research.

LANGUAGE

Turkish, Native   **English,** Professional   **Italian,** Elemantary