İdil Seviş

Undergraduate Student in Electrical and Electronics Engineering
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Objective

Interested in exploring the intersection of machine learning and computer vision to apply my analytical and problem-solving skills. Eager to contribute to advancements in these fields, leveraging my electrical engineering background.

Education

Hacettepe University, Ankara — *Sep 2021 – Present*
Bachelor of Electrical and Electronics Engineering
CGPA: 2.59 / 4.00

Gazi University, Ankara — *Sep 2019 – Jun 2021*
Bachelor of Electrical and Electronics Engineering
External Transfer

Ankara Atatürk Anatolian High School, Ankara — *Sep 2014 – Jun 2018*
Math/Science Program

Experience

ISITECH İleri Sağlık Teknolojileri, Candidate Engineer — *Mar 2025 – Present*
Contributed to the development of AI-based anatomical segmentation pipelines for brain MRI and CT scans. Focused on segmenting six core structures (skin, brain, ventricles, arteries, veins, and tumors) in contrast-enhanced volumetric T1-weighted MRIs using tools such as 3D Slicer, MONAI, and TotalSegmentator. Participated in the annotation, validation, and improvement of automated segmentation algorithms aiming for >95% accuracy across 200+ cases.

CEITEC VUT, Summer Research Intern, Brno/Czechia — *Jul 2024 – Sep 2024*
Analyzed CT images using AI techniques and image processing libraries. PI: Tomas Zikmund, PhD

Neuroscience and Robotics Laboratory, Research Fellow — *Jan 2022 – Jul 2022*
Investigated behavioral mechanisms of active sensing. Received TUBITAK-2247 C Star scholarship. PI: Ismail Uyanik, PhD

Projects

Fully Automated Brain MRI Segmentation GUI (SynthSeg)
Developed a standalone GUI tool for segmenting brain MRIs using SynthSeg. Automatically handles DICOM-to-NIfTI conversion and T1-weighted image detection.

UWB-based Fall Detection System(Graduation Project)
Built a fall detection prototype using Qorvo UWB modules and deep learning algorithms. Designed to ensure privacy-safe and non-intrusive monitoring.

Certifications

- **Modern Computer Vision GPT, PyTorch, Keras, OpenCV4**, Udemy
  Certificate ID: UC-97863fd3-524a-48e5-a8df-47e27d2567d9
  `View Certificate`

- **Supervised Machine Learning: Regression and Classification**, Coursera (Andrew Ng)
  Verified Certificate: QJ86MY45ZCWW
  `View Certificate`

Volunteer Work

Ahbap *Mar 2025 – Present*
Active member in the aid teams of Ahbap, participated in logistics and distribution of humanitarian support across various regions.

Circuit Theory Lab, Hacettepe University *Sep 2023 – Jan 2024*
Supported students' evaluation skills on experimental results related to key circuit theories.

AI Club, Hacettepe University *Sep 2023 – Sep 2024*
Active member, assisted with sponsorship acquisition for events.

Skills and Interests

Technical Skills: Machine Learning, Computer Vision, Electrical Circuit Design
Programming: Python, C, OpenCV, MATLAB, VHDL