

SARE NAZ BAYRAKTUTAN

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SUMMARY

AI Engineer | Image Processing | Data Science | Recent Honors Graduate in AI Engineering

SOCIAL NETWORKS

- <https://www.linkedin.com/in/sare-bayraktutan-8b5764208/>
- <https://github.com/sareersoy>

EDUCATION

- 01/2024 to Current** **Master of Science:** Computer Engineering
Hacettepe University - Ankara, Turkey
- 01/2019 to 01/2024** **Bachelor of Science:** Artificial Intelligence Engineering - Honor
Hacettepe University - Ankara, Turkey
GPA: 3.48

EXPERIENCE

- 03/2023 to 04/2024** **Part-Time Work While Studying**
STB - Ankara, Turkey
- Responsible for data organization, ensuring accuracy and structure of critical information. Used tools like Excel, SQL, and data management software for efficient dataset organization and maintenance.
 - Skilled in independent and collaborative team environments.
 - Passionate about learning and committed to continual improvement.
- 01/2024 to 03/2024** **Software Developer Intern**
STB - Ankara, Turkey
- 12/2022 to 02/2023** **Sky Experience Intern**
Turkish Aerospace Industries - Ankara, Turkey
- 12/2021 to 05/2022** **Artificial Intelligence Intern**
Turkish Aerospace Industries - Ankara, Turkey

PROJECTS

Cancer Genes and Survival Analysis (Under Supervision of Asst. Prof. GÜLDEN OLGUN)

- Conducted a project focused on cancer genomics, involving the identification of frequently mutated gene sets.
- Performed survival analysis and calculated hazard ratios to understand the impact of genetic mutations on patient outcomes.

NameCheckAI (Under Supervision of Prof. SUAT ÖZDEMİR)

- Developed a project to determine the authenticity of English and Spanish names using two DistilBERT models.

- Created a frontend interface for the models using Streamlit.

Transparent Insight: Exploring XAI for Brain and Kidney Imaging Analysis (Under Supervision of Res. Asst. PhD TUĞBA ERDOĞAN)

- Proposed and explored explainable AI (XAI) techniques using ResNet50 models on brain and kidney datasets.
- Employed XAI methods such as SHAP and LIME to interpret and understand the CNN model's decisions.
- Aimed to gain insights into CNN operations on medical imaging datasets and compare the interpretability and performance of different XAI techniques.

Face Recognition with Siamese Network (Under Supervision of Assoc. Prof. CEMİL ZALLUHOĞLU)

- Utilized the Labeled Faces in the Wild dataset for face recognition.
- Implemented a Siamese network and employed transfer learning techniques for the recognition task.

SKILLS

Machine Learning, Deep Learning, Data Science, Python, Java, C++, OOP, SQL, Team Collaboration, Problem-Solving, Research, Report Writing

LANGUAGES

Turkish: First Language

English:  C1
Advanced

HOBBIES AND INTERESTS

- Exploring AI, machine learning, and bioinformatics
- Cooking international cuisines