# Ömer Kaan Gürbüz

omerkaan01@gmail.com
okg21.github.io

📞 +90-5533461120
 GitHub Profile
 LinkedIn Profile

## EDUCATION

• **Bilkent University**                                      *2023-Present*

*Computer Science Masters*

- Courses: Deep Learning, Learning for Robotics, Data Science for Software Engineering, Computational Geometry, Data Privacy, Automated Program Repair
- Teaching Assistant: Algorithms and Programming I, Computers and Data Organization
- Contributor to projects: Newt and sbgnviz.js

• **TOBB ETU**                                               *2019-2023*

*Computer Science Bachelors*                                  GPA: 3.05

- Electives: Data Mining, Natural Language Processing, Machine Learning, Deep Learning, Computer Vision, Cryptography

## EXPERIENCE

• **Jotform**                                                *Oct 2024-Current*

*Junior Data Engineer*                                        Ankara, Turkey
- Desiging and implementing automated data marts using SQL
- Developing and maintaining scheduled ETL jobs for data transfer across systems

• **Netcad**                                                 *Sep 2022-Dec 2022*

*Machine Learning Intern*                                     Ankara, Turkey
- Worked on research and development of Graph Neural Networks for point cloud part segmentation problem.
- Implemented custom Graph Neural Networks using PyG (PyTorch Geometric).

• **Turkcell**                                               *Jan 2022-May 2022*

*Machine Learning Intern*                                     Istanbul, Turkey
- Worked on facial recognition, age estimation and gender estimation
- Implemented CNNs with Tensorflow

• **HAVELSAN**                                               *May 2021-Sep 2021*

*Computer Engineering Intern*                                 Ankara, Turkey
- Worked on development of a twin-turbine helicopter simulation

## RESEARCH EXPERIENCE

− **Watermarking Language Models**                           *Feb 2023-Nov 2023*

***COLING 2025***
* Watermarking algorithms for Large Language Models to detect machine-generated text
* Tools & technologies used: Python, PyTorch, HuggingFace Transformers
* **See the full paper here.**

## TECHNICAL SKILLS AND INTERESTS

**Developer Tools**:C(Proficient), Python(Advanced), Java(Proficient), SQL(Proficient)
**Packages**: PyTorch, Tensorflow, HuggingFace Transformers, Scikit-learn, Numpy, SciPy, Pandas, NLTK, Matplotlib
**Areas of Interest**: Natural Language Processing, Large Language Models, Machine Learning, Data Science, Ethical AI

## LANGUAGES

**English**: IETLS 7.5, e-YÖKDİL 90
**Turkish**: Native proficiency
**German**: Beginner proficiency

## CONTESTS

− **SİU2023-NST: Hate Speech Detection:** 1st place in two categories.

− **2024 Teknofest T3 AI Hackathon:** Finalist and 4th place in LLM Finetuning over 327 teams.

− **2024 Teknofest Trendyol E-commerce Hackathon:** 2nd place. Developed a pipeline for enhancing user products.