Selman Dedeakayoğulları *Jr. AI Engineer*

📍 Eskişehir/Türkiye ✉ selmandedeakayogullari@gmail.com 📞 +90 542 538 95 48 in Selman Dedeakayoğulları

○ SelmanDedeakay kaggle Selman Dedeakayoğulları ●◖ Selman Dedeakayoğulları 🔗 selmandedeakay.github.io

PROFILE

Known for combining technical expertise with a positive and engaging team spirit, I work in the field of artificial intelligence and software development, particularly focusing on large language models (LLMs) and computer vision.

I enjoy generating original ideas and implementing them in the most practical and effective way.

I believe that collaboration amplifies success, and I always strive to elevate both performance and team morale in every project I contribute to.

EDUCATION

Eskişehir Technical University 🔗   2021 – 2025
Bachelor of Engineering   Eskişehir, Turkey

Vorarlberg University of Applied Sciences 🔗   2023
Exchange Semester   Dornbirn, Austria
  Erasmus+ Study Programme

University Of Turkish Aeronautical Association 🔗   2020 – 2021
Bachelor of Engineering   Ankara, Turkey
  Member of **IEEE UTAA Computer Society**
  Member of **UTAA Google Developer Students Club**

WORK EXPERIENCE

AI Engineer Intern   Dec 2023 – Mar 2025
Arena 🔗

  Developing and maintaining existing/new chatbots using low-code AI platforms. Creating LLM based
  solutions via models like LLama and GPT-4o and GPT4-Vision

Software Engineering Intern   Nov 2022 – Jan 2023
Turkish Aerospace Industries 🔗

  Contributing to backend solutions for different modules.
  Due to Erasmus+ programme, I had to leave earlier than SKY program ends.

Computer Vision Intern   Jul 2022 – Aug 2022
Visea Innovative 🔗

  At my first internship, I developed many classification and segmentation applications with deep
  learning by using **PyTorch and Tensorflow**.

SKILLS

Computer Vision
  OpenCV, PyTorch, Numpy, Tensorflow, YOLO, Stable Diffusion Models, Vision Language Models

Natural Language Processing
  HuggingFace Transformers, Langchain, LangGraph, Ollama, Smolagents, Prompt Engineering

Data Analysis & Visualization
  Matplotlib, Numpy, Pandas, Seaborn, Scikit-learn, SQL

Software Engineering
  Python, Java, Git, Flask, FastAPI, MongoDB, SQLite, Low Code Development

PROJECTS

Social Media Analysis for Earthquake Victim Reports 🔗
Large Language Models
Initiated as a TEKNOFEST Hackathon 2024 finalist project; currently evolving as a thesis study.

Gendiary: New-Gen Social Media via Stable Diffusion 🔗
Stable Diffusion
A Social Media Application using Stable Diffusion for Creating Content, for Software Engineering Course Project

Image Captioning Project
Vision Language Models
Fine tuned several VLM's and optimized the pipelines for an AI competition.

Face Recognition Application 🔗
PyTorch
MT-CNN based Face Recognition application. Also published an article about it on Medium account.

Media Control with Gesture Recognition 🔗
Scikit-learn
Machine Learning Course Term Project using MediaPipe and custom algorithms to detect different gestures.

City Sounds Classification 🔗
TensorFlow
Global AI Hub Deep Learning Bootcamp Project.
Sound spectrograms from UrbanSound8K dataset used for classification.

REFERENCES

Alperen Enes BAYAR, *AI Research Engineer,* HAVELSAN
enesalperenbayar@gmail.com

Abdullatif BABA, *Associate Professor,* Kuwait College of Science and Technology
ababa@thk.edu.tr

Mehmet KOÇ, *Associate Professor,* Eskişehir Technical University
mehmetkoc@eskisehir.edu.tr

Sema CANDEMİR, *Associate Professor,* Eskişehir Technical University
semacandemir@eskisehir.edu.tr

ORGANIZATIONS

IEEE Computer Society Turkey Chapter   Sep 2021 – Sep 2022
Central Anatolia Coordinator
As the coordinator, I was responsible for the IEEE CS chairpersons of the universities in the Central Anatolia region.

LANGUAGES

English — *B2* | **German** — *A1* | **Turkish**

AWARDS

TEKNOFEST T3 AI Hackathon 2024 Finalist
T3 (Türkiye Technology Team)
Selected among 200+ teams to develop an LLM-based project within 48 hours at the T3 AI Hackathon.

OBSS Code Master 2022
OBSS
Ranked 1st among university participants in an algorithm-based problem-solving competition