

Selman Dedeakayoğulları Jr. AI Engineer

📍 Eskişehir/Türkiye ✉ selmandedeakayogullari@gmail.com ☎ +90 542 538 95 48 🔗 Selman Dedeakayoğulları
🌐 SelmanDedeakay 🏆 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 🔗 Bachelor of Engineering	2021 – 2025 Eskişehir, Turkey
Vorarlberg University of Applied Sciences 🔗 Exchange Semester Erasmus+ Study Programme	2023 Dornbirn, Austria
University Of Turkish Aeronautical Association 🔗 Bachelor of Engineering Member of IEEE UTAA Computer Society Member of UTAA Google Developer Students Club	2020 – 2021 Ankara, Turkey

WORK EXPERIENCE

AI Engineer Intern 🔗 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	Dec 2023 – Mar 2025
Software Engineering Intern 🔗 Turkish Aerospace Industries 🔗 Contributing to backend solutions for different modules. Due to Erasmus+ programme, I had to leave earlier than SKY program ends.	Nov 2022 – Jan 2023
Computer Vision Intern 🔗 Visea Innovative 🔗 At my first internship, I developed many classification and segmentation applications with deep learning by using PyTorch and Tensorflow .	Jul 2022 – Aug 2022

SKILLS

Computer Vision OpenCV, PyTorch, Numpy, Tensorflow, Keras, CNNs, YOLO, Stable Diffusion Models, Vision Language Models
Natural Language Processing HuggingFace Transformers, Langchain, LangGraph, Ollama, Smolagents, Prompt Engineering, Retrieval Augmented Generation, Few-shot Prompting, , Gemini API ,OpenAI API, RNNs
Data Analysis & Visualization Matplotlib, Numpy, Pandas, Seaborn, Scikit-learn, SQL
Software Engineering Python, Java, Git, Flask, FastAPI, MongoDB, SQLite, Low Code Development, Selenium, Streamlit, Gradio

PROJECTS

Agentic Portfolio Chatbot 🔗 Agents&Gemini API Developed an AI-powered portfolio chatbot using Google Gemini and Streamlit, which is fully functional in my portfolio website live.

The system answers questions about my background, projects, and skills, and allows direct contact via secure email. Integrated a recruiter tool that analyzes any job description and reports my compatibility percentage, highlighting matched skills and experience.

Social Media Analysis for Earthquake Victim Reports [↗](#)

Large Language Models

Developed a multimodal AI system combining LLM-based information extraction from social media with drone-based visual verification. Achieved high accuracy in identifying urgent needs, locations, and structural damage to support real-time disaster response.

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.

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

EESTech AI Solutions Challenge

EESTEC LC Eskişehir

Created sentimental analysis solution in an hackathon within 4 hours. Achieved 2nd Place

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