

ANIL KUL

I am a fast-learning computer engineer that focus on NLP and generative AI. I worked on lots of different domains within AI domain such as computer vision, time series analysis, etc. I created product pipelines that uses LLMs and other ML models . Additionally, I have a strong software engineering experience. I am a team player and have good communication skills.



CONTACT

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@ Portfolio website
in Anil Kul

SKILLS

Data Engineering

PySpark
Databricks
Pandas
Pydantic
PostgreSQL

Generative AI

OpenAI APIs
Langchain
open-source LLMs

ML Knowledge & Tools

torch, TF, sklearn
Computer Vision

Software Engineering

Backend(FastAPI)
frontend(React)
Unit Testing
Databases

Programming Languages

Python
JavaScript
Java

CI/CD & Deployment Tools

Git
Docker
Jenkins

Soft Skills

I have presentation, team management, strategic planning and business development experiences due to my startup experience.

Languages

English
German

ACHIEVEMENTS

- 🏆 Best Newcomer Team award in Hackmakers FormulaAI Hack 2022
- 🏆 Vehbi Koç Scholar (3.5+ SPA)
- 🏆 VP of IEEE student branch

EDUCATION

- 📅 10/2021 - 08/2023
📍 **Technical University of Munich** Master of Computer Science
GPA: 2.0 (German system 1.0 is top score.)
- 📅 09/2016 - 06/2021
📍 **Koc University**, Istanbul Bachelor of Computer Engineering
GPA: 3.31 / 4.0
- 📅 09/2017 - 06/2021
📍 **Koc University**, Istanbul Bachelor of Business Administration
GPA: 3.31 / 4.0

WORK EXPERIENCE

- 📅 08/2022 - Present
📍 Germany, Munich
SAP - Software Engineer Generative AI
Job Description: Data source specific chatbots using LLMs. **Technologies:** Langchain, OpenAI APIs, Vector DBs.
- 📅 03/2022 - 08/2023
📍 Germany, Munich
SAP - Working Student
Thesis: Fact-aware LLMs based on Knowledge Graphs (KGs). KG chatbot is implemented.
- 📅 11/2021 - 03/2022
📍 Germany, Munich
Avantgarde - ML Engineer
Job Definition: Facial expression extraction pipeline with video input. (age, emotion..)
- 📅 03/2021 - 11/2021
📍 Istanbul
Dcipher Analytics - ML Engineer
Projects:
- Biodiversity Detection From Satellite Images: The aim of the project is detecting the areas with high biodiversity from satellite images that are taken from Sentinel2 API
- Acute Otitis Media Diagnose: The otoscope videos are used for training and product level. Worked with Autoencoders and clustering for frame selection from videos.
- Tooth Decay Diagnose: The bitewing Xrays has used for training and product level. Decayed tooth and the the areas are determined with the help of DL classifiers and class activation maps.
- 📅 06/2020 - 03/2021
📍 Istanbul
Koc University IUI Lab - Research Asst.
Project: The aim of the project is extraction of Stylized Powerpoint slides from offline and online handwritten documents. or this project, I am working with tensorflow and OpenCv . We are using the YOLO, CNN and EAST models in our pipeline.

PROJECTS

- Text Guided 3D Shape Manipulation: **GitHub Repository**
It is a GAN application. Pretrained DeepSDF model is used as a generative model. With the help of Clip model the textual feedback is gathered and with latent code manipulation target 3D shape is generated.
- Multiple Object Tracking: **GitHub Repository**
Pretrained FastRCNN used for human detection and GNNs trained for the tracking. MOT16 dataset is used for implementation.
- Object Detection For Pos Machines **GitHub Repository**
This mobile application is developed for Android POS machines to authomize the entering foods to the system and getting the price. Alex AB's YOLO v4 implementation is used.
- Smart Cooking Assistant **GitHub Repository**
A mobile app that can identify food type from Image, give nutrition and recipe information. Also it is integrated with virtual market applications for easier grocery ordering. A new Turkish food dataset is created from internet sources and Inception-v3 model is used as a classifier