Yunus Emre KORKMAZ

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GitHub
LinkedIn

Education

- **Eskisehir Technical University** *2019-2024*
  B. Sc. in Computer Engineering, GPA: 3.37/4 Eskişehir, Türkiye

- **Eyüp Aygar Science High School** *2014-2018*
  High School Diploma, GPA: 91.06/100 Mersin, Türkiye

Experience

- **Bewell Technology** *July 2024 – Aug 2024 (1 month)*
  Computer Engineer Intern as Artificial Intelligence Engineer Eskişehir,Türkiye

  – Developed an Object Detection Model with YOLO which detects damaged buildings and extracts actual buildings' geolocation from Drone Imagery
  – Experiments done using YOLOV5-8-10 on Colab Notebook and device with a strong GPU.
  – CometML used for monitoring and compare the models' performance and metrics
  – Hosted an end-to-end website using HuggingFace Spaces Platform. **Live Demo**.
  – GitLab used for version control

- **Anadolu University Computer Research and Application Center** *September 2023 – October 2023 (1 month)*
  Computer Engineer Intern as Software Architect Eskişehir,Türkiye

  – Developed and designed an end-to-end Web based Survey Application on Web Platform for Anadolu University by using .NET Framework and Angular.
  – Utilized PostgreSQL for the database.
  – GitHub and Microsoft Azure used for version control and task scheduling.

- **Hergele Mobility** *March 2022 – October 2023 (1 year and 8 months)*
  Back-end Developer İstanbul, Türkiye

  – Developed Web based Admin Dashboard for Electrical Scooters by using .NET Framework with MVC pattern.
  – Utilized MongoDB for the database.
  – Used Jira and GitHub for task scheduling and version control.

Projects

- **Image Description and Regeneration** *August 2024*
  Image captioning and text-to-image diffusion models work together and generate a new image according to input.

  – Tools & technologies used: Python, Gradio, Hugging Face Spaces, Stable Diffusion XL (stabilityai/stable-diffusion-xl-base-1.0), BLIP (Salesforce/blip-image-captioning-large)
  – Deployed the application on Hugging Face Spaces, demonstrating multi-model usage and user-friendly interaction through Gradio. **Live Demo**

- **Archery Shooting Prediction using EEG Signals** *June, 2024*
  A regression project for predicting the scores of archery shootings using EEG Signals.

  – Tools & technologies used: Python, pandas, numpy, seaborn, scipy, matplotlib, sklearn, tensorflow, keras, scikeras
  – Predicted archery shooting scores using EEG signals by preprocessing data, extracting features, and applying various machine learning models. Employed Random Forest Regressor, LSTM, and SVR models with hyperparameter tuning, achieving the highest performance with the LSTM model.

Technical Skills and Interests

Technical Skills: Python (pandas, NumPy, scikit-learn, TensorFlow, PyTorch), Java, SQL(Postgre, MySQL), MongoDB, Data mining, Data analysis, Predictive modeling, Natural Language Processing, Large Language Models, Generative AI models, Git Version Control
Field of Interest: Machine Learning, AI, Generative AI, Deep Learning, Natural Language Processing, Large Language Models
Hobbies: Football, Volleyball, Music, Computer Games

Languages

Turkish: Native
English: Fluent
German: Beginner