

Cemil Çelik

(+90) 541 918 9346 | cemilcelik1199@gmail.com | [LinkedIn](#) | [HuggingFace Account](#) | [Github](#)

EDUCATION

Galatasaray University

Bachelor of Computer Engineering

Istanbul, Turkey

Sep. 2018 – June 2024

Istanbul Erkek High School

German High School System

Istanbul, Turkey

Sep. 2013 – June 2018

LANGUAGES

Turkish: C2 (Native Language)

English: C1 (Full professional proficiency)

German: C1 (Full professional proficiency)

French: B2 (Professional working proficiency)

EXPERIENCE

Natural Language Processing Intern

Summarify

Sep. 2022 – Apr. 2023

Istanbul, Turkey

- Helping the company develop sentiment analysis models in Turkish researching and using transformers architecture.

Software Engineering Intern

Armelsan Defense Technologies

Sep. 2020 – Dec. 2021

Istanbul, Turkey

- Developed an autonomous underwater vehicle in simulation environment by writing algorithms for robot's control, guidance and computer vision systems.

PROJECTS

Zero-Shot Learning for Turkish movie reviews | *Python, Pytorch, Transformers, HuggingFace, Numpy, Pandas*

- Fine-tuned a pretrained XLM-RoBERTa model from Hugging Face Hub on the imdb movie review dataset in English to analyse the sentiment of the movie reviews in Turkish. The method used is called Zero-Shot Learning.
- Used Hugging Face methods and functions to import the dataset, split it into train and test sets, load the pretrained model and fine-tune on the dataset and evaluate, finally to upload the new model to the Hugging Face Hub.
- The evaluation metrics used: Accuracy: 0.9408 ; f1: 0.9413 ; precision: 0.933 ; recall: 0.949
- Through the hosted inference API on HuggingFace Hub you can try example sentences in Turkish or any other language.

Named Entity Recognition on Medical Texts. | *Python, SpaCy, Pytorch, Transformers, HuggingFace*

- Fine-tuned a pretrained Bert model in spaCy library on a dataset containing random sentences with medical terms.
- Metric for medical conditions, medicine and pathogen names respectively: Precision: 0.864, 0.826, 0.666; Recall: 1.0, 1.0, 1.0; f1: 0.927, 0.904, 0.8

Song Lyrics Generator | *Python, Pytorch, Transformers, HuggingFace, Numpy, Pandas*

- Fine-tuned the pretrained gpt-2 model on a song lyrics dataset in English. An incomplete song lyrics is auto-completed.
- Used custom dataset-preparation, train and verse-generation classes.
- The BLEU score is open to improve but the generated verses are mostly reasonable.

TECHNICAL SKILLS

Languages: Python, Java, C/C++, SQL(Postgres)

Frameworks: Pytorch, Tensorflow, Transformers, FastAi

Developer Tools: Git, Github, Hugging Face Hub, Kaggle Notebook, Jupyter Notebook

Libraries: Pandas, NumPy, Matplotlib