

# Emirhan Erbil

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## Summary

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A recent university graduate with a strong foundation in artificial intelligence, particularly in natural language processing (NLP). I have gained practical experience through various projects, demonstrating skills in NLP techniques such as sentiment analysis, text classification, and text generation. Additionally, I have experience in developing chatbot APIs using Python and working with neural networks.

## Contact

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[Linkedin](#) - [Personal website and My Projects](#) - [Medium](#)

## Experience

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### MasterTech | Istanbul

#### Python Developer | 08/2024 - 11/2024

- I developed automation scripts.
- Within these tasks, I was performing processes such as data scraping, Excel automation, website automation, and mail automation with Python.

### Adapha Ai | Samsun

#### AI Developer Intern | 03/2024 - 06/2024

- I performed sentiment analysis using LSTM and SVC models and wrote an API with FastAPI for users to utilize this model. Afterwards, I deployed this application live on a server using AWS t2.micro with an Ubuntu operating system.
- I developed a chatbot using the RAG technique with Llama3. The purpose of the chatbot is to serve as a virtual assistant capable of answering questions for MS patients. I created the dataset myself and also built its API with FastAPI.

### Upwork | Samsun

#### Freelance Developer | 01/2024 - 03/2024

- I have created automation scripts and performed data extraction tasks on websites such as Twitter, Amazon, and eBay using BeautifulSoup4 and Selenium.
- I developed a social media bot using Python that interacts with people by commenting on posts, liking them, and sending messages.

### Wawlabs ai | Istanbul

#### AI developer intern | 09/2023 - 01/2024

- I developed a NER model using Spacy. It extracts information such as brand, model, color, material from the product title. I created backend for this project using FastAPI.
- I performed data mining operations using Selenium and BF4.
- I made performance improvements using MongoDB and python
- I developed a project on detecting information such as title, category, price on e-commerce sites using Yolo. I created the data by taking screenshots and labeling it using Selenium.
- I analyzed the accuracy of the search results using pandas on the results that were returned and the results that should have been. I used the Levenstein approach.
- I have done many excel operations using pandas.
- I used YOLO to extract information such as title, price, product image, and category from websites through object detection.

## Skills

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Python, Nlp, Data Mining, Machine Learning, FastAPI, Tensorflow, LLM, Selenium, Chatbot, AWS, GCP, Linux

## Languages

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English - Conversational, Turkish - Native

## Certificates

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Data Science & Python, Tensorflow

## Education

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**Samsun University | Samsun, Turkey**

**Software Engineering B.Sc.**

**07/2020 - 07/2024**

- I placed 4th in the graduation projects competition.

## Hobbies

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- **Bluetooth-Integrated Car Project Using Arduino**

Developed a Bluetooth-controlled car using Arduino, enabling wireless control and communication via a mobile device. Implemented motor control, obstacle avoidance, and remote command functionality through Bluetooth integration.

- **RFID Project Implementation**

Successfully designed and executed an RFID-based project. Programmed RFID tags and readers using Arduino to identify and authenticate objects, adding enhanced security and identification features.

- **Message and Email Automation Using Selenium**

Developed automation scripts using Selenium for sending messages and emails, streamlining personal tasks. Designed and implemented processes for automated communication, enhancing efficiency and ensuring timely notifications.