

AHMET EMRE USTA

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EDUCATION

Hacettepe University

Sep. 2020 – Jun. 2024(Excepted)

Bachelor of Arts in Artificial Intelligence Engineering

Ankara, Turkey

- **Coursework:** BBM201-203 - Data Structures, BBM202-204 - Algorithms, AIN200 - Computers and Ethics, AIN211 - Principles of Artificial Intelligence, AIN212-214 - Elements of Data Science

EXPERIENCE

Argenit Teknoloji

Aug. 2022 – Present

Machine Learning Engineer Intern

Remote

Nart Biliim Hizmetleri - TechNarts

Jun. 2022 – Jul. 2022

Software Engineer Intern

Ankara, Turkey

- Developed a pharmacy and consultation web page for a intern project using **Django** and **PostgreSQL**

PROJECTS

Heart Attack Prediction Model

- Using CDC's BRFSS survey data, I created a model to predict heart attack risk with 15 features based on **logistic regression** and **K neighbor classifier**. I published the first version of my project on Kaggle. It is still under development and the goal is to make a web application for the end user.

Foolbot

- An unnecessary discord bot made with **python**, works on **Heroku**, and transfers the commands given from user via chat line to the Google Sheets file by using the **Google Drive API** and **Google Sheets API** on the **Google Developer Console** via **pygsheets**.

TEKNOFEST 2022 Drone Category

- As the software team leader, I managed the process of controlling the drone with autonomous driving and image processing using threading on Raspberry Pi with **PyMavLink**, **PX4**, **Open CV** libraries.

LIFO Project: Vending Machine

- As a course assignment, I made a vending machine application with using the concepts of **abstract data type**, **encapsulation**, **polymorphism**, **interface** with using my own stack and queue classes wrote in **Java**.

ML Project: Statistical Correlation Analysis - ML Modeling

- Using the open-source data set I analyzed the correlation of "TD" with "internal" and "external" metrics. Then, I made a technical debt estimation by using 5 different regression models. At the end of the experiment, I concluded that there is a definite relationship between external metrics and technical debt.

SKILLS

Languages : Python, Java, C++, SQL

Libraries : Pandas, Seaborn, Matplotlib, Scikit-Learn, Open CV

Tools : Google Colab, GitHub, Heroku, NextCloud, Docker, Notion, Trello, PostgreSQL

Operating System : 5 years Linux Mint Desktop experience, a year Ubuntu and Ubuntu Server experience, right now using WSL and Windows11