



YUNUS EMRE DİNÇEL

COMPUTER ENGINEER



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EDUCATION

Cankaya University,
Ankara

BSc in Computer
Engineering (2020-2025)

CGPA: 3.33/4.00

ABILITIES

- Data Science
- Artificial Neural Network
- Image Processing
- ROS
- Web App

NATURAL LANGUAGES

- English (Advanced)
- Turkish (Native Speaker)
- Spanish (Beginner)

RESEARCH INTERESTS

- **Artificial Intelligence:**
ANN
RAG
Big Data
LLM's
- **Autonomous Systems:**
ROS
SLAM
- **Ethical Hacking:**
Network Security
Web Penetration Testing
using Vulnerable virtual
boxes

EXPERIENCES

- 20-Day Summer Internship at Digital Transformation Office of the Presidency of Türkiye, July 2023.
- 30-Day Summer Internship at HAVELSAN Image Processing Software Department, July 2024 - August 2024.

PROJECTS

- **Sentinel: Autonomous Discovery Vehicle:**
Sentinel is an unmanned autonomous exploration vehicle that maps its environment in 2D and 3D, detects objects, calculates the minimum distance to detected objects, generates a path, and produces a report based on the mission type. Sentinel was completed for the university graduation project, and received the 1st place in Computer Engineering. It was also a finalist in the HAVELSAN SUIT program.
- **Course Recommendation System with RAG:**
Within the scope of the scientific research project, this project, carried out together with Dr. Serdar Arslan, aims to develop a course recommendation system using many current artificial intelligence techniques such as RAG, Vector Database, and Langchain.
- **iMagic:**
iMagic is an Image Processing web app project developed using the .NET framework, C#, JavaScript, and Flask. With this web app I developed during my internship at HAVELSAN, users can perform processes used in HAVELSAN projects such as image deblurring, salt-and-pepper noise removal, plate recognition, and adding watermarks.
- **Pivoting Attack using Metasploit Framework:**
Pivoting is the process of hacking the victim machine in the network by using a different network to which the machine is connected, through the machine we are in a common network.
- **Stroke Prediction Project:**
Python libraries such as pandas, numpy, seaborn were used in this project, which used a data set (cleaned by preprocessing) to determine whether the samples were stroke or not by machine learning methods.
- **Migrant Registration and Management System:**
Migrant Registration and Management System is a project about migrant problems in our country, which is coded with C++. The project is related to the OOP concept, and I created it with two friends for the CENG241 OOP semester project.