



# Ayşın Tümay

Senior B.Sc. Student at Electrical and Electronics Engineering Department



0553 276 6572



aysintumay@gmail.com



[www.linkedin.com/in/ayşın-tümay](https://www.linkedin.com/in/ayşın-tümay)

[aysin.tumay@ug.bilkent.edu.tr](mailto:aysin.tumay@ug.bilkent.edu.tr)



<https://huggingface.co/ayşın>



<https://github.com/aysintumay>

## SUMMARY

A productive, self-disciplined, creative, and dedicated electrical and electronics engineering student, Specifically passionate about **Machine Learning**, **Data Science** and **Signal Processing**.

## EDUCATION

2015-2019

### ANKARA ATATURK ANATOLIAN HIGH SCHOOL

- Science/Mathematics Student with Graduate Grade: 97.38/100

2019-PRESENT

### IHSAN DOGRAMACI BILKENT UNIVERSITY

- CGPA 3.81/4
- Ranked 9 among 158 students
- %50 Scholarship by OSYM Placement
- Expected graduation date: 06/2024

#### Projects

- Digital FPGA Piano for Beginners, Bilkent University
- Design of Analog Multiplier with BJTs
- Song Recommendation System for Spotify Playlists with Machine Learning
- A Commonsense Question Answering Game
- Hierarchical Ensemble-Based Feature Selection for Time Series Forecasting
- Wind Energy Production Forecasting

## RESEARCH

AUG 2021

### Undergraduate Research Assistant at UMRAM, Bilkent University

- Practiced Deep Learning methods for detecting brain illnesses in MRI scans.

AUG 2022-PRESENT Supervised by Prof. Dr. Suleyman Serdar Kozat

- Developing state-of-the-art algorithms for sequential data with GBMs.

## EXPERIENCE

JUN 2022

### ASELSAN, RADAR AND WARFARE SYSTEMS, INTERN

- Practiced different tools and methods for geolocation detection of radars using warfare systems in MATLAB.

AUG 2022

### DATABOSS SECURITY&ANALYTICS, INTERN

- Practiced Machine Learning techniques on Time-Series and Spatio-Temporal data using Python.

DEC 2022-PRESENT DATABOSS SECURITY&ANALYTICS, MACHINE LEARNING RESEARCHER

- Working on sequential data to build state-of-the-art Machine Learning algorithms using Python.

## SKILLS

---

<b>Programming</b>	<ul style="list-style-type: none"><li>• Python,VHDL, MATLAB, Assembly 8051</li></ul>
<b>Electronics</b>	<ul style="list-style-type: none"><li>• LTSPice, Proteus</li></ul>
<b>Others</b>	<ul style="list-style-type: none"><li>• Git, LaTeX, MS Office applications</li></ul>
<b>Languages</b>	<ul style="list-style-type: none"><li>• Turkish, English (proficient), German (beginner)</li></ul>

## ACHIEVEMENTS

---

### **SEP 2022      5TH PLACE AT INVENT ANALYTICS DATA ANALYSIS CHALLENGE**

- Trained and tested a Machine Learning model to forecast the sales amount of a clothing brand

### **MAY 2023      3RD PLACE AT IPSOS DATATHON**

- Solved a case study about predicting a company's market share by trend analysis using ARIMA and Linear Regression.

## EXTRA-CURRICULAR ACTIVITIES

---

- Active member at Young Entrepreneurs Society, and IEEE Student Branch
- Ankara Start-up Summit committee member, 2019, 2020.
- Guitar player at high school orchestra

## HOBBIES

---

- Guitar playing for 10+ years, Amateur windsurfing, Volleyball

## PUBLICATIONS

---