

# TAHSİN SOYAK

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[GitHub](#) | [LinkedIn](#) | [Medium](#) | [Stack Overflow](#) | [Kaggle](#) | [Hackerrank](#)

## EDUCATION

### Yozgat Bozok University

Computer Engineering

Cumulative GPA: 3.33 /4.00

Yozgat, TR

Nov 2019 – Jul 2023

- Honours: Certificate of honour each semester for 6 semesters. Many certificates of participation and thanks for the events.
- Relevant Coursework: AI, Object Detection, Web Programming, Object Oriented Programming, Database Management, System Programming, Computer Networks, Data Science, Probability & Statistics, Project Management, Data Structures, Operating Systems, Software Analysis and Design.

## WORK EXPERIENCE

### Mirsis Information Technologies

Junior Software Developer

İstanbul, TR

Sept 2023 – Present

- Django full-stack web developer in the CV parsing-matching project for an AI-powered recruitment platform.
- Proficiently using Django, Flask, Python, HTML, CSS, JavaScript, and SQL to ensure robust and user-friendly web solutions.

Intern Software Developer

Mar 2023 – Sept 2023

- Conducted web scraping operations to extract data from diverse websites using Python and libraries like BeautifulSoup, Requests, and Selenium, contributing to data acquisition and analysis.
- Collaborated with a project team, following Agile Scrum methodology, to ensure efficient project completion. Employed project management tools like Trello and Jira for progress tracking, showcasing effective teamwork and project management skills.
- Developed multiple web applications using Django, alongside HTML, CSS, JavaScript, and Python. Gained full-stack development experience using technologies like Python, Django, Flask, HTML, CSS, JavaScript, and SQL. Additionally, integrated machine learning and AI models into web applications, highlighting a diverse skill set in software development.

### University of Groningen

Scientific Researcher

Groningen, NL

Aug 2023 – Oct 2023

- Proficient in designing and implementing custom machine learning models tailored to the specific objectives of research papers, enhancing the precision and relevance of the research outcomes.
- Actively engaged in all stages of the research process, from data collection and model training to the visualization of results. My support in articulating research findings and the implications presented in research papers is instrumental to the research's impact.

### Seafety Mühendislik Hizmetleri - Tubitak

Part Time Software Developer

Trabzon Teknokent, TR

Mar 2023 - Oct 2023

- Conducted artificial intelligence and Python-based work, including the development of an underwater pollution-cleaning robot.
- Developed and managed web applications using Python and the Django web framework. Contributed to the introduction and promotion of the pollution-cleaning robot through web content and blog creation.
- Troubleshooted technical issues and implemented effective solutions to minimize downtime.

### Tuga Technology

Intern Software Developer

Malatya Teknokent, TR

Jul 2022 - Sep 2022

- Developed and controlled infrastructure applications using Django and .Net Framework, troubleshooting technical issues for minimized downtime.

### Yozgat Bozok University - IT Department

Intern Software Developer

Yozgat, TR

Nov 2021 - Jun 2022

- Improved data access efficiency by 20%, edited web pages for a 15% reduction in errors, and developed new web pages using MSSQL, MVC, HTML, CSS, JS, and .Net Framework.

**Titanic Survival Prediction with Machine Learning on Raspberry Pi**[Details](#) | Dec 2022 - Jan 2023

- It Led the development of a machine learning model using Python, incorporating Pandas, Numpy, Sklearn, Matplotlib, and Seaborn to analyse and visualize Titanic dataset.
- Implemented Decision Tree algorithm for survival prediction, achieving a train accuracy of 90.3% and test accuracy of 82.8%. Conducted pruning techniques for optimal model performance.
- Successfully integrated the decision tree model into a Raspberry Pi environment for real-time predictions and monitoring.
- Utilized the Raspberry Pi as a cost-effective solution for deploying machine learning models in edge computing scenarios, showcasing versatility in IoT applications.

**Strawberry Ripeness Detection**[Presentation Video](#) | [Details](#) | Nov 2022 - May 2023

- The artificial intelligence model we created is used by strawberry growers to make decisions about the right harvest time and to develop a fully automatic detection system.
- This project became the 7th in Technofest Turkey among 5283 agricultural projects.

**Patient Tracking Application with XBEE**[Details](#) | Feb 2022 - May 2022

- Patient follow-up application with wireless communication using Xbee and Arduino. We connect to the Web Interface with C# and transfer and record data. Various sensors are used. It was completed with a team of 3 people using C#, C++, PHP, JS, HTML, XBEE.

**Soil Analysis Based Farmer Tracking System**[Play Store Link](#) | [Details](#) | Dec 2021 - July 2022

- To bring together farmers and agricultural engineers on the same platform, to combine expert opinions and farmer experiences on the same mobile application and to increase agricultural productivity.
- A web page and mobile application were created. The project participated in various competitions and received support.

**Personal Blog Website**[Details](#) | Feb 2020 - Apr 2020

- A personal web page was created using code first. .Net and SQL are used in all aspects.

**LEADERSHIP****Familiar**

İstanbul, Turkey

*Founder and Captain*

Nov. 2022 – Present

- Led a pioneering project in agricultural technology that utilizes artificial intelligence for strawberry maturity determination using object detection techniques.
- Developed an AI model with commercial potential, offering strawberry growers a tool for informed harvest decisions and a fully automated detection system, leveraging YOLOv7 and its versions.
- Achieved recognition by being selected as a finalist and ranking in the top 7 out of 5,283 projects in the Artificial Intelligence category of the Technofest Agriculture Technologies Competition. This accomplishment highlights the transformative role of AI in agriculture and the project's potential impact on the industry's future.

**Artificial Intelligence Society**

Yozgat Bozok University, TR

*President - Society Founder*

Apr 2022 – Jan 2023

- Founded and led a thriving Artificial Intelligence community, fostering collaboration and knowledge sharing among enthusiasts.
- Successfully oversaw and managed numerous AI projects, addressing real-world challenges and showcasing innovative solutions.
- Earned accolades and support for community achievements, highlighting the impact of projects and competition participation.

### Microsoft Student Ambassador

#### Volunteer

[Video for MSA](#) - Turkey

Aug. 2023 – Present

- Actively serving as a Microsoft Student Ambassador, contributing to a global network of campus leaders.
- Collaborating with peers to foster strong tech communities and providing support to fellow students.
- Focusing on advancing knowledge in the field of Artificial Intelligence (AI) through dedicated AI courses.
- Preparing to deliver informative AI presentations, promoting awareness and understanding of this cutting-edge technology.
- Committed to personal and professional growth, including the development of technical and career skills for the future.

### CERTIFICATIONS

[View All Online](#)

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|--|-------------------------------------|
| • Natural Language Processing in TensorFlow by DeepLearning.AI (Laurence Moroney).         | Sept 2023   <a href="#">Details</a> |
| • Advanced Learning Algorithms by Stanford Uni (Andrew Ng.).                               | Aug 2023   <a href="#">Details</a>  |
| • Introduction to Statistics by Stanford Uni (Guenther Walther).                           | Aug 2023   <a href="#">Details</a>  |
| • Microsoft Learn Student Ambassadors by Microsoft.  | Aug 2023   <a href="#">Details</a>  |
| • Supervised Machine Learning: Regression and Classification by Stanford Uni (Andrew Ng.). | June 2023   <a href="#">Details</a> |
| • Python for Data Science, AI & Development by IBM.  | May 2023   <a href="#">Details</a>  |
| • Google IT Automation with Python by Google.  | Apr 2023   <a href="#">Details</a>  |
| • Software Product Management by University of Alberta.                                    | Apr 2023   <a href="#">Details</a>  |

### SKILLS & INTERESTS

- **Programming:** Python (NumPy, pandas, machine learning, deep learning, image processing, web scraping, web development, AI), C, C++, C#, HTML, CSS, JS, NodeJS, .Net Framework, MySQL, MSSQL, MongoDB, Django, SQL, T-SQL, GitHub, Trello, Git, GitHub, Web Development.
- **Language:** Native speaker in Turkish. Fluent in English.
- **Skills:** Observation, Multi-tasking, Decision making, Critical thinking, Teamwork, Time management, Problem Solving and Adaptation
- **Hobbies:** Travelling, Paragliding, Blog writing, Solving puzzles, Mentoring

### REFERENCES

- |   |  |
|---|--|
| • Dr. Ayushi Rastogi – Assistant Prof at University of Groningen. | <a href="mailto:a.rastogi@rug.nl">a.rastogi@rug.nl</a>   Email                       |
| • Nima Najafloo – R&D Manager in Mirsis Inf. Tec.                 | <a href="mailto:nima.najafloo@mirsis.com.tr">nima.najafloo@mirsis.com.tr</a>   Email |
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