

# BELİZ YAZICI

Machine Learning Engineer

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## SUMMARY

Proactive and highly motivated professional seeking a Machine Learning Engineer role. Exceptional problem-solving and statistical analysis skills. Well versed in pattern recognition, neural networks, and modern ML frameworks such as **Python** and **TensorFlow**. Specialities include: supervised/unsupervised learning, deep learning, model evaluation, data preprocessing, and **computer vision** applications.

## EDUCATION

**BSc Software Engineering** 2021 - 2025  
*Izmir University of Economics* Izmir, Turkey

- Proficiency in English (PIE) Test Score: 95

## WORK EXPERIENCE

**Software Developer** 2024/05 - 2025/01  
*Orris Academy (Freelance)* Turkey

- Implemented and integrated APIs for three ongoing game projects using C#, ensuring seamless communication between front-end and back-end systems.
- Developed and designed the company's website using WordPress, utilizing pre-built themes and plugins to create a user-friendly, responsive design.

**Game Developer Intern** 2024/08 - 2024/09  
*Blay Games (On - Site)* Izmir, Turkey

- Fixed critical bugs in the published game "GOKA Street," improving game performance by 20% and leading to a 15% increase in positive player reviews.
- Created group structures in the game's database specifically designed for storing pivotal events; decreased query response time by 20%, contributing directly to optimized workflow management within the game development team's operations.

## PROJECTS

**Aura Vision** 2025/04 - 2025/05  
*Lenovo AI Marathon Project*

- Developed an AI-based generative model using libraries such as **transformers** and **deepface** to create dynamic advertisement content for Lenovo's "Your Aura is Unlimited" campaign, focusing on increasing engagement through data-driven personalization.

**Data Analysis of Job Loss Due To AI** 2025/04 - 2025/05  
*MATH 485 Term Project*

- Conducted data analysis on the impact of Artificial Intelligence across various industries using R and RStudio.
- Applied statistical methods such as the **Spearman Correlation** and **Chi-Square Test of Independence** to examine relationships between variables.

**Predictive Modeling with Ensemble Learning on Process Data** 2025/04 - 2025/05  
*CE 475 Term Project*

- Developed an **ensemble learning regression model** using Python (**XGBoost**, **LightGBM**, **CatBoost**, **Random Forest**) with outlier removal, feature engineering, and data augmentation. Achieved high accuracy and exported predictions to Excel for final reporting.

**Vision-Based Detection and Navigation for an Autonomous Restaurant Robot Using YOLO** 2025/02 - 2025/05  
*Graduation Project*

- Performed digit and edge detection using **YOLOv8** and **OpenCV**, applying deep learning techniques for accurate recognition.
- Flashed the operating system onto an SD card for Raspberry Pi 4 and installed the required SDKs.

Low-Cost Smart Flash Flood Early Warning System for Mobile Deployment (F.E.W)

2024/10 - 2025/01

FENG 497 Final Project

- Implemented a flood warning system using Arduino sensors and deployed data to trigger color-coded risk alerts.
- Conducted rainfall estimation through curve fitting to enhance accuracy in predicting flood levels, completed within four months.

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2024/10 - 2024/11

BTK Akademi Hackathon 2024 Project

- Developed an educational website for middle school students with a chatbot powered by **Gemini AI** and YouTube Data API integration, completing the project in seven days.

CERTIFICATIONS

Python Bootcamp   Global AI Hub	Deep Learning Bootcamp   Global AI Hub
Data Analysis Bootcamp   Global AI Hub	Project Management   Google
Version Controls: Git and GitHub   BTK Akademi	AI Fundamentals with IBM SkillsBuild   Cisco
IELTS Academic English Certificate   IELTS	Basic Occupational Health and Safety   IUE

SKILLS

- Programming Languages:** Python, SQL, R, Java, C#
- Frameworks:** Pandas, Numpy, Scikit-Learn, Matplotlib, TensorFlow, Keras, PyTorch, OpenCV, Transformers
- Tools:** Microsoft Excel, MySQL, RStudio, Microsoft Power Point, Microsoft Word, Enterprise Architect

VOLUNTEERING EXPERIENCE

Trainee <div>Cisco</div> <ul style="list-style-type: none"><li>Completed a one-month training program on AI fundamentals, focusing on machine learning concepts, NLP, and data processing techniques.</li></ul>	2025/03 - 2025/03 Turkey
Trainee <div>Global AI Hub</div> <ul style="list-style-type: none"><li>Completed three months of training in Machine Learning, Deep Learning, and Data Analysis, developing ML models and conducting data analysis.</li></ul>	2024/09 - 2024/11 Turkey
Student Mentor <div>Izmir University of Economics</div> <ul style="list-style-type: none"><li>Coordinated a comprehensive orientation program tailored to first-year students, incorporating academic advising and social engagement, which resulted in a 25% reduction in first-year anxiety and an increase in motivation during the critical adaptation period.</li></ul>	2023/08 - 2024/02 Izmir, Turkey

KEY ACHIEVEMENTS

- ★ Selected as one of the **top 6 finalists** at the Young Brains, New Ideas (GBYF) competition with the graduation project, "Vision-Based Detection and Navigation for an Autonomous Restaurant Robot Using YOLO" on May 24th, 2025.
- ★ Attained **Honor Student** status with a "3,05" GPA in the Fall Semester of 2022-2023.
- ★ Achieved **High Honor Student** status with a "3,80" GPA in the Spring Semester of 2021-2022.

LANGUAGES

• Turkish - Native	• English - B2	• Greek - A2
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