

# Yunus Ege Küçük

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## WORK EXPERIENCE

### Ticimax Information Technologies Inc.

Istanbul, Turkey

DevOps Engineer Intern

Jul 2024 - Sep 2024

- Set up and managed virtual Kubernetes environments, executed deployments, and applied real-world DevOps practices using Microsoft Azure services.
- Implemented practical tasks focusing on Kubernetes and Azure technologies while receiving mentorship from a Senior DevOps Engineer through streamlined CI/CD processes using Jenkins and ArgoCD.
- Helped the team by testing out new Helm features beforehand.

### Atasehir Municipality

Istanbul, Turkey

Information Technologies Department Intern

Aug 2023 - Sep 2023

- Actively participated in troubleshooting and resolving technical issues, installing and configuring physical computers and virtual machines for 29 departments.

## EDUCATION

### Marmara University

Istanbul, Turkey

Bachelor in Computer Engineering, cGPA: 3.13 / 4

Graduation Date: Jan 2026

### West University of Timisoara

Timisoara, Romania

Erasmus in Computer Science, GPA: 8.96 / 10

## PROJECT EXPERIENCE

### HackUPC Barcelona

Polytechnic University of Catalonia, Spain

Participant

May 2024 - May 2024

- Collaborated with a team of 3 to develop the Biene Flower Hunt game in just 2 days using Python.
- Led the implementation of face recognition technology from scratch using OpenCV and integrated it into a Pygame environment as my primary role in the project.

### Personal Projects

#### Human and Wild Animal Classifier AI

- Built a CNN-based image classifier using Keras Sequential API, achieving 98% accuracy in distinguishing human and wild animal faces.
- Developed a desktop application using Tkinter and a web application with a Django backend to enhance usability, and containerized the web app with Docker for streamlined deployment and scalability.

#### Short Story Generator AI

- Designed a text generation model using Keras Sequential API with LSTM layers to generate coherent short stories.
- Preprocessed textual data to create a custom dataset, facilitating effective training and validation of the model.

#### Grade Prediction AI

- Developed 3 AI models to predict a student's letter grade for a course using exam scores of 105 university students, achieving 89% accuracy during the testing phase.

### Kubernetes Cluster Backup Guide

Ticimax Information Technologies Inc.

Author

- Wrote a comprehensive guide on backing up Kubernetes clusters using Velero CLI and MinIO on Docker, which supported a team of 4 and provided a reusable resource for the company.

## SKILLS & INTERESTS

**Skills:** Python, Machine Learning, Sklearn, Artificial Neural Networks, Keras, Django, Kubernetes, CI/CD Pipelines, Docker, Linux, Git, Azure Kubernetes Service, Azure DevOps, Jenkins, ArgoCD, Git Actions

**Languages:** Turkish (Native), English (Professional), Romanian (Beginner)