

Samet Karas

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EDUCATION

Recep Tayyip Erdoğan University

Sep. 2021 – Jun. 2026

B.S. in Computer Engineering | **GPA: 3.03/4.00**

TECHNICAL SKILLS

Languages: C#, Python, C++, Java

Frameworks & Libraries: PyTorch, TensorFlow, Unity, ASP.NET Core, Entity Framework Core

Databases: Microsoft SQL Server

Tools: Git/GitHub, Postman, Visual Studio, VS Code, PlatformIO

EXPERIENCE

Software Developer Intern

Jul. 2025 – Sep. 2025

Odeabank

- Built a **.NET 8.0 Web API** with layered architecture, using ASP.NET Core, Entity Framework Core, and SQL Server
- Implemented DTOs, validation, and **JWT-based authentication & role-based authorization**
- Wrote automated tests with **xUnit, Moq**, verified endpoints with Postman and Swagger
- Collaborated in Agile meetings and used **Git/GitHub** for version control

PROJECTS

Banking API Project (Internship) | *Odeabank*

2025

- Built a layered **.NET 8.0 Web API** with Service/Repository pattern and SQL Server integration
- Implemented **DTOs, validation, JWT authentication, and role-based authorization** for secure data handling
- **Note:** Project code is private due to company policy

Deepfake Video Analysis System | *Computer Vision / AI*

2024

- Built a CNN-based classifier to distinguish deepfake and real videos using **PyTorch** and **OpenCV**
- Automated preprocessing pipeline with Albumentations, frame extraction, and CSV-based I/O for predictions
- **GitHub:** github.com/SametKaras/deepfake-video-analysis

Teknofest 2024 Robotaxi Autonomous Vehicle | *ROS1, Autonomous Driving*

2024

- Finalist in **Teknofest 2024 Robotaxi Competition**, developing autonomous navigation algorithms in ROS1
- Integrated GPS and IMU for localization, and applied PID control for smooth and stable driving
- **Details:** LinkedIn Project Post

Skin Type Analysis Application | *MATLAB, AI*

2025

- Developed a skin analysis system using **EfficientNet-B0** to classify oily, dry, and normal skin types
- Applied preprocessing techniques (denoising, normalization, contrast enhancement) to improve model accuracy
- **GitHub:** github.com/sinmkeskin/skin-analysis-matlab

GNSS-Independent Navigation via Landmark Detection in Satellite Images | *Computer Vision*

2024

- Trained and optimized **YOLOv5** for landmark detection in satellite imagery (buildings, intersections, fields, silos)
- Applied data preprocessing and augmentation techniques to improve detection performance and model robustness
- **GitHub:** github.com/BesirVelioglu/SAYZEK2024_AI-SEC-Heron

Kitchen Chaos | *Unity Game Development*

2023

- Developed a cooking simulation game in **Unity (C#)** with modular, event-driven architecture
- Implemented gameplay using ScriptableObjects, new Input System, Animator Controller, and state machines
- **GitHub:** github.com/SametKaras/KitchenChaos-Game

LANGUAGES

Turkish: Native

English: Upper-Intermediate Working Proficiency (B1+/B2)