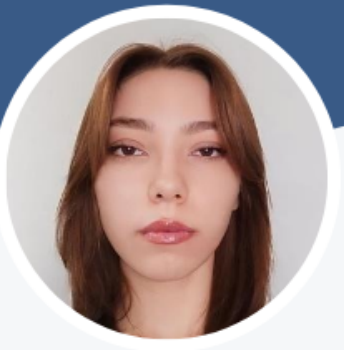
Elife İrem AVLAMAZ



Personal details

Elife İrem AVLAMAZ

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+90 501 349 0356

l24.im/qxQFKG

Skills

Artificial Intelligence

Deep Learning

Global Positioning System (GPS)

Computer Vision

Image Processing

Sensor Fusion

Python

C

Robotics

Industrial Automation

Power Electronics

Project Design

Proteus

Printed Circuit Board (PCB) Design

Project Management

Teamwork & Leadership

Education

Bachelor's Degree (Undergraduate) in Electrical and Electronics Engineering — **Sep 2021 - Jun 2022**
Kahramanmaraş Sütçü İmam University, Kahramanmaraş, Türkiye

Bachelor's Degree (Undergraduate) in Electrical and Electronics Engineering — **Sep 2022 - Present**
Konya Technical University, Konya, Türkiye

Employment

Project Engineer - R&D Engineer — **Nov 2025 - Present**
Saytek Engineering, Adana
I contribute to R&D activities focused on performance, efficiency, and technology development in solar energy systems. My work involves analyzing photovoltaic panel behavior, evaluating emerging technologies, and optimizing project solutions. I actively participate in research, reporting, and innovation processes within the company's solar power projects.

AI engineer and deputy captain in the software department — **Nov 2024 - Oct 2025**
Muninn Systems Aviation and Space Technologies Inc., Konya
Developed GPS-denied (blind flight) navigation systems using NVIDIA Jetson platforms
Focused on artificial intelligence and computer vision–based solutions for autonomous navigation, sensor fusion, and real-time decision-making in GPS-denied environments

Electrical-Electronic INTERN — **Jul 2024 - Jul 2024**
SASA Polyester Industry and Trade Inc., Adana

Electrical-Electronic INTERN — **Jul 2023 - Aug 2023**
Oğuz Tekstil
During my internship, I gained experience in Industrial Automation, PLC systems, Electronic Systems, Power Electronics, and Inverters.

Communities and Programs

Artificial Intelligence and Image Processing Society (YAZGİT) — **Sep 2024 - Present**

KTUN Robotics Automation Control Research and Development Laboratory (RACLAB) — **Nov 2022 - Nov 2023**

IEEE KSU Student Branch — **Sep 2021 - Jun 2022**

Participation

21st Century Occupational Health and Safety
Participant
Technology Development and Application Society

Languages

English ●●●●○

Deutsch ●○○○○

Projects

Muninn UAV **Nov 2024 - Jul 2026**

TEKNOFEST 2025 Unmanned Aerial Vehicles Competition - Software Department Captain / AI Developer

In the Muninn UAV project, I contributed to developing a patented flight system that enables reliable localization and stable autonomous flight in GPS-denied environments. My work focused on sensor data processing, position estimation algorithm design, and the integration of NVIDIA Jetson platforms with PX4 flight control systems.

Detection of Rheumatoid Arthritis Using Mobile Thermal Camera and Artificial Intelligence **Nov 2024 - Jul 2025**

TÜBİTAK 2209-B Industry-Oriented R&D Project – Project Manager

Designed and developed a mobile thermal imaging system that identifies early signs of Rheumatoid Arthritis using AI.The project aims to support early clinical decision-making in primary healthcare by combining FLIR thermal data, image preprocessing, and a deep learning segmentation model.

Electromagnetic Coilgun **Feb 2024 - Jun 2024**

Project Manager

An electromagnetic coilgun, also known as a Gauss gun, is a launch system that uses electrical energy to generate magnetic fields and accelerate a projectile or metallic object. Instead of relying on traditional explosives, this system performs the projectile launch process by utilizing electromagnetic forces.

NOVA Unmanned Underwater Vehicle **Nov 2022 - Nov 2023**

TEKNOFEST 2022 Unmanned Underwater Systems Competition - Image Processing Developer

During my work on an underwater vehicle project, I was responsible for developing autonomous search and scanning algorithms, with a primary focus on image processing–based detection and decision-making for autonomous navigation and target identification. I contributed to the software development of autonomous systems using Python.

KUASAR Electric Vehicle **Jan 2021 - Jan 2022**

2021 TÜBİTAK International Efficiency Challenge Electric Vehicle Competition - Integrated Charging Unit Developer

During the project, I worked on the vehicle's on-board charging unit. My contributions included electronic circuit design, PCB design, and system integration. I actively contributed to project management and technical coordination processes.y

Events

Technologies & Businesses BIP Erasmus **Jun 2025 - Jul 2025**

Throughout the training, we focused on the fundamentals of robotic systems, sensor utilization, autonomous systems, and applied control algorithms. Working with participants from different countries allowed us to exchange knowledge and benefit from a culturally diverse environment.