

Eyyüphan Çakır

Electrical and Electronics Engineer

eyyuphancakir.com



PORTFOLYO / PORTFOLIO

EDUCATION

Giresun University

Jan 2025 - Present

Electrical and Electronics
Engineering

MSc student

Smart glasses research using
STM32 and ESP32-S3.

Karadeniz Technical University

Sep 2018 - Dec 2024

Electrical and Electronics
Engineering

BSc

TECHNICAL SKILLS

Embedded systems

STM32 · ESP32-S3
ESP32-CAM · Arduino
Firmware integration

Web development

JavaScript · HTML · CSS
Firebase · Firestore
PWA · Git

Mobile and analysis

Kotlin · Jetpack Compose
Room · MATLAB
App Designer

LINKS

GitHub

Eypan439

LinkedIn

Eyyüphan Çakır

01 PROFILE

I develop embedded systems, web platforms and Android applications. My graduate research focuses on smart glasses, while my work at Vizyon connects communities through digital products.

02 EXPERIENCE

Founder and Software Developer

Jul 2025 - Present / Vizyon Book and Film Club

Built a JavaScript and Firebase PWA connecting membership, book and film discovery, reviews and ratings. Organise community events and film discussions.

Volunteer Youth Leader

Jul 2025 - Present / Ministry of Youth and Sports

Mentor young people and contribute to community projects, training sessions and social events.

03 SELECTED PROJECTS

Smart Glasses System

ESP32-CAM · Firebase · Android

2023-2024 undergraduate project at KTÜ. Converts images into AI descriptions and spoken responses. Supported through TÜBİTAK 2209-A.

Weather Application

Kotlin · Jetpack Compose · Room

Hourly forecasts, charts, location and map screens. Stores recently fetched data in a Room cache for offline access.

Transmission Line Calculator

MATLAB · App Designer

Compares T and Π equivalent models: voltage regulation, efficiency, active and reactive power calculations, results and phasor diagrams.

HedefiBul and more projects are in my portfolio.