

Mehmet Akif Çakır

Mechatronics Engineering Student

Izmir, Türkiye



PROFILE

Mechatronics engineering student at Manisa Celal Bayar University. My open-source projects explore deterministic decision logic, robotics software and local simulation, with a focus on clear system boundaries and inspectable behavior.

EDUCATION

Manisa Celal Bayar University

Mechatronics Engineering

Current student

PROJECT TECHNOLOGIES

Rust · Python · no_std · NumPy ·
pandas · scikit-learn

CONTACT & PROFILES

mehmetakifcakrr@gmail.com

GitHub

@mehmetakifcakr

LinkedIn

/in/ma-cakr

Instagram

@ma_cakr

SELECTED PROJECTS

01

RecoverTick

A deterministic decision engine with bounded retries, an allocation-free journal and semantic replay verification. The 0.1.0 MVP separates decision logic from external hardware I/O.

Rust · no_std · Zero dependencies

[View source repository](#)

02

OpenRobotKit

An early robotics toolkit with a Python Motor class for changing and resetting speed in software. Arduino and ESP32 integrations are planned next steps.

Python · Motor abstraction

[View source repository](#)

03

AI Trader Paper

An offline-first research simulator with a small ML model and a shared fictional portfolio. Includes local paper fills, exposure limits and illustrative transaction costs.

Python · NumPy · pandas · scikit-learn

[View source repository](#)