

## SUMMARY

Computer Engineering graduate building a career in Data Science and AI. Hands-on experience with Python for data analysis and full-stack development using React/Next.js and FastAPI. Currently building independent portfolio projects (a B2B trading platform, data automation tools, cross-platform mobile/web apps) driven by real user needs. I actively use AI-assisted development tools (vibe coding) to move quickly from idea to working product.

## TECHNICAL SKILLS

Programming Languages

Python · TypeScript · JavaScript · C# · Java · C · PHP · SQL

Frameworks & Libraries

React / Next.js · React Native · FastAPI · Firebase · Zustand · TanStack Query

Infrastructure

PostgreSQL · MySQL · Turborepo · Capacitor · Node.js · Vercel · Render · Git

## LANGUAGES

Turkish — Native · English — B2

## CONTACT


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LOCATION
Saruhanlı / Manisa, Türkiye


# MERTCAN KORKMAZ

$ whoami → Computer Engineer

## // PROJECTS

**Bidstone — B2B Natural Stone Trading Platform**

Personal Project · 2025 – Present

`FastAPI` `PostgreSQL` `Next.js` `React Native / Expo` `Turborepo`

- Designing and building a B2B broker platform for marble, travertine, and granite trading that anonymizes buyers and sellers, routing all communication through the platform.
- Manage a single Turborepo monorepo housing both the web (Next.js) and mobile (React Native/Expo) clients, sharing common packages and types.
- Built a scalable backend architecture with FastAPI and PostgreSQL; also driving productization steps such as trademark registration and domain strategy.

**CineTrack — Movie & TV Show Tracking Platform**

Personal Project · 2025 – Present

`React 18` `TypeScript` `Firebase` `TanStack Query` `Capacitor` `Node.js` `Claude API` `Groq API`

- Built a movie/TV discovery and tracking platform integrated with the TMDB API; shipped as a web app (Vercel) and as a native Android TV app packaged with Capacitor.
- Set up an npm workspaces monorepo architecture with a shared package for the TMDB client, types, and hooks consumed from a single source.
- Designed an end-to-end user system on Firebase Auth + Firestore covering profiles, watchlists, activity feed, and user-to-user messaging.
- Integrated the Anthropic Claude and Groq LLM APIs to build an AI assistant that gives personalized recommendations based on watch history.
- Shipped a real-time "watch party" feature bridged to the native layer, with synchronized auto-seek and an in-app chat layer.
- Built a D-pad/spatial navigation engine from scratch for Android TV; set up a Gradle-based APK build and release pipeline with Capacitor.
- Designed and implemented a legal-compliance layer that automatically detects licensed/copyrighted content categories and notifies and blocks accordingly; hardened Firestore/Storage security rules.

**Producer Registry Form — Multi-Year Data Comparison Tool**

Personal / Work Project

`Python` `Tkinter` `openpyxl`

- Built a desktop application that processes multi-sheet Excel files of tobacco producer survey data and compares different years (2025 vs. 2026) side by side.
- Matched producers across years using national ID numbers, improving data consistency and data-entry speed.

**Stationery E-Commerce Site**

`PHP` `MySQL` `HTML/CSS` `JavaScript`

- Built a full-fledged e-commerce site end to end, gaining competence in web application development, database management, and UI design.

## // WORK EXPERIENCE

**ECA – EMAS MAKİNA SANAYİ A.Ş. — Intern**

June 2025 – July 2025

- Developed a Python-based Industrial IoT system for a boiler production line. By streaming real-time data collected from PLCs into Grafana dashboards, reduced fault-detection time from hours to seconds and improved operational efficiency.

**Manisa Metropolitan Municipality — Intern**

April 2025 – May 2025

- Observed firsthand how large-scale systems and user support function in the public sector.
- Automated manual processes with Robotic Process Automation (RPA), saving time and contributing to error-free task completion.

## // EDUCATION

**Çukurova University — Computer Engineering**

09/2019 – 01/2025 · Adana, Türkiye

**Graduation Thesis:** Modern Data Visualization Techniques: From Theory to Practice. My thesis focuses on modern data visualization techniques. I explored historical development, principles of visual perception, and practical applications using real-world datasets from Kaggle. I applied data cleaning, transformation, and visualization using Python, and addressed ethical and privacy concerns in data handling.

## // CERTIFICATIONS

- Artificial Intelligence Expertise Program — T.C. Ministry of Industry and Technology
- Data Science and AI Summer School — Coderspace
- Python for Machine Learning — Global AI Hub
- Akbank Python Bootcamp: New Generation Project Camp · Akbank Machine Learning Bootcamp
- Object-Oriented Programming — C# / Java (Elginkan Foundation)