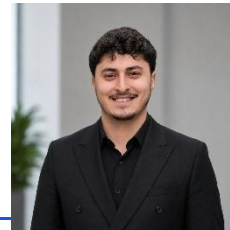


MUHAMMED YUŞA DUYMAZ

Data & AI Engineer | Full Stack Developer

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SUMMARY

Software Developer with a strong foundation in Data Science, AI, and Full Stack Development. Proficient across the AI/ML spectrum — Machine Learning, Deep Learning, and LLM/RAG — with hands-on Python (TensorFlow, Scikit-learn, Pandas/NumPy) and tooling such as PyCharm and Google Colab. Equally comfortable across the full stack: the .NET Core ecosystem, React, Next.js, and Tailwind CSS on the front end, backed by solid SQL and relational database design. Actively architecting AI-driven web applications and integrating multi-agent LLM and RAG solutions to solve real-world data challenges. Driven by a specific goal to build intelligent systems that bridge the gap between complex data and intuitive, user-centric experiences in a high-impact technical team.

EXPERIENCE

Founder & Lead Developer — OmniX Engine (B2B SaaS) | 2026 – Present

- Built a scalable content automation engine integrating the Anthropic Claude API to generate SEO-optimized product descriptions and ad copy for Trendyol, Hepsiburada, Amazon, and Etsy sellers.
- Developed an Image Studio module using fal.ai and Replicate for automated background removal and studio-quality rendering of e-commerce product photos.
- Implemented web scraping pipelines with Cheerio and Puppeteer to convert product URLs into platform-specific content at scale.
- Tech: Next.js 14 (App Router), TypeScript, Supabase, Clerk, Tailwind CSS, Zustand, Zod.

AI Intern (Online Simulation Program) — NVIDIA x İş'te Yapay Zeka | 2026 - Present

- Completing a 6-month structured AI internship simulation covering GPU architecture, parallel computing, and real-world AI/ML use cases within NVIDIA's technology ecosystem.
- Completing department tasks and a capstone project focused on AI fundamentals, GPU-accelerated computing, and enterprise AI applications.

PROJECTS

LoexAI — Local Opportunity Engine (AI SaaS) | Next.js 15 · TypeScript · Supabase · Upstash · Claude API

- Architecting an AI SaaS that discovers local businesses, scores market opportunities, and auto-generates sales strategies and build prompts through a multi-stage analysis pipeline.
- Designed a provider-agnostic AIProvider abstraction layer (OpenRouter in development, Anthropic Claude in production) to optimize LLM cost, reliability, and fallback across environments.
- Built secure server-side auth and full data isolation with Supabase RLS and @supabase/ssr, orchestrating the pipeline and caching with Upstash Workflow/Redis.

Araştır — AI Market Research Engine (FinTech SaaS) | Next.js 14 · TypeScript · Supabase · QStash · Gemini · Claude

- Built a multi-agent (Search / News / Market / Macro → Analyst → Writer) research engine for Turkish financial markets (BIST), aggregating data from KAP, TCMB EVDS, Yahoo Finance, and Turkish news sources with sentiment analysis.
- Synthesized cross-source data with Gemini 1.5 Pro (Claude 3.5 Sonnet fallback) into Buy/Hold/Sell investment theses, auto-generating institutional-grade PDF and PPTX reports.
- Engineered serverless async orchestration with Upstash QStash, real-time pipeline logs via Supabase Realtime, and an RPC-based token/credit ledger with Stripe billing.

YeşilSepet — E-Commerce Carbon Footprint Analyzer | Hackathon — İş'te Yapay Zeka (Esenler Belediyesi) · AI · Sustainability

- Built an AI tool that estimates and visualizes the carbon footprint of e-commerce orders, helping users make more sustainable purchasing decisions.

- Delivered as a team project under hackathon time pressure, focused on climate impact awareness and behavioral change.

Asamblaj AI | Hackathon — ÜretJAM 2026 (COP31) · React · Express · Multi-Agent LLM

- Built an 8-step multi-agent pipeline that extracts the design DNA of historical masters (da Vinci, Mimar Sinan, Matrakçı Nasuh) and speculates their evolution into the AI era as conceptual-industrial artworks.
- Engineered a zero-downtime LLM and image-generation failover chain (Ollama → OpenRouter → Groq → Gemini; ComfyUI/FLUX → Hugging Face → Replicate → static fallbacks) for a reliable live demo, shipped with the team in 48 hours.

E-Commerce & Dynamic CV Platform | .NET Core · EF Core · MSSQL

- Designed a scalable MSSQL database managing 5,000+ products and 20,000+ transactions — improved data retrieval speed by 40%.
- Built a secure RESTful API used by 500+ concurrent users, maintaining 100% data integrity.

Machine Learning Projects | Python · Scikit-learn · XGBoost

- Customer Churn Prediction: classification model with ~85–90% accuracy using Logistic Regression and Random Forest.
- Car Price Prediction: regression model with XGBoost achieving high R² performance; includes full preprocessing pipeline.

MYD Digital (Multi-Tenant SaaS) | 2025 – 2026 | Next.js 14, TypeScript, Supabase, Clerk, Tailwind CSS

- Architected a multi-tenant platform with PostgreSQL Row Level Security (RLS) for full data isolation between organizations.
- Implemented a 3-tier RBAC system (Super Admin / Org Admin / Member) and a real-time admin dashboard using Supabase Realtime.
- Secured the platform for 1,000+ users using Hybrid Authentication (Cookie + JWT) and integrated Hugging Face API for automated toxic content moderation (500+ daily comments).

EDUCATION

Fenerbahçe University — Management Information Systems (English) | Expected 2027

- 3rd year, 100% Merit Scholarship — GPA: 3.48 / 4.00

TECHNICAL SKILLS

Data & AI: Python (Pandas, NumPy), Machine Learning, Deep Learning, LLM/RAG, PowerBI, Tableau

Backend & Database: .NET Core, ASP.NET Web API, Supabase, SQL (MSSQL, PostgreSQL, BigQuery), Entity Framework Core, JWT Auth, RESTful APIs

Frontend & Tools: Next.js, React.js, TypeScript, Tailwind CSS, HTML5, CSS3, JavaScript (ES6+), Git/GitHub

CERTIFICATES

- Google: Foundations — Data, Data, Everywhere (Mar 2026)
- Google: Ask Questions to Make Data-Driven Decisions (Apr 2026)
- Udemy: Full-Stack Web Development — Sadik Turan (Jan 2025)
- Udemy: Python for Data Science & Programming (Dec 2024)
- Udemy: Identity and JWT Masterclass — Murat Yucedağ (Dec 2024)
- Coursera: Database Management with SQL (Oct 2024)