Muhammet İbrahim Kaya

Software Developer

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Professional Summary

Results-oriented Software Developer and 4th-year Management Information Systems student. Co-founder and Backend & AI Tech Lead of ATTN, a multi-award-winning development team. Proven expertise in building scalable systems, agentic AI workflows, and cloud architectures. Experienced in leading 5-person engineering teams while driving backend and AI development.

Education

2022–2026 — **Bachelor's Degree in Management Information Systems**, *Istanbul University*, Istanbul, Turkey, *GPA: 3.18/4.0*
Expected Graduation: June 2026

Relevant Coursework

CS Core — Data Structures & Algorithms, Object-Oriented Programming, System Analysis & Design, Database Design & Management, Advanced Database Programming

AI & Data — Deep Learning, Artificial Neural Networks, Programming for Data Science, Statistics I & II

Other — Blockchain Programming

Experience

2024–Present — **Co-Founder & Backend AI Tech Lead**, *ATTN (Agile Team for Technical Novation)*, Istanbul

Leading a 5-person cross-functional team across multiple global and national hackathon wins. Acting as the Backend & AI Tech Lead, responsible for the system architecture, AI model integration, and core development for all team products.

- **Siemens Sustainable Design Hackathon (1st Place):** Developed the winning industrial digital transformation prototype for the Karabakh region using Mendix and custom APIs.

- **Meta Llama Global Hackathon (Top 5 Ranked):** Built the complete backend for *Areada*, a gamified reading productivity platform, utilizing Llama models for content analysis.

- **Ministry of Commerce AIdeathon (3rd Place):** Architected *AIKanStock*, an agentic AI inventory optimization tool using autonomous Kanban logic.

- **IU MIS Club Hackathon (2nd Place):** Developed a RAG-based matching platform connecting university clubs with corporate sponsors using n8n workflow automation.

- **Teknofest 2025 (Finalist):** Engineered the original Attendance System (React.js/FastAPI); successfully piloted for half a semester at the MIS Department, handling 1,000+ concurrent users with 99.9% uptime.

Freelance & Independent Projects

2026 **Lead Discovery AI Sales Intelligence**, *Graduation Project*, Istanbul
- Developing an agentic AI system that automates B2B lead generation through Google Maps scraping and intelligent prospect analysis.
- Implementing human-in-the-loop conversation system for qualified lead outreach.

2025 **E-Commerce Analytics Tool TableRAG Query System**, *Freelance*, Istanbul
- Built data pipeline scraping product data from Amazon, Trendyol, and Hepsiburada marketplaces. Implemented Excel data ingestion and processing for structured analytics.
- Developed TableRAG system enabling natural language queries on e-commerce datasets.
- **Tech Stack:** Python, FastAPI, LangChain, Pandas.

2025 **informis-ai AI Academic Advisor**, *Volunteer Initiative (Officially Adopted)*, Istanbul
- **Recognition:** Originally developed as a volunteer initiative; later officially adopted by the department, integrated into the university website, and promoted on social media.
- Created a RAG-based AI agent using LangGraph and Gemini API helping prospective students explore the MIS program.
- **Impact:** Contributed to department's admission ranking improvement from 9K-5K to 5K-1K in national university placement (YKS).
- Implemented Redis-cached sessions with UUID tracking for persistent conversation context.

2025 **Woxban AI Productivity Planner**, *Personal Project*, Istanbul
- Built a conversational AI planner using LangGraph and FastAPI backend with React Native frontend.
- Implemented natural language task scheduling, routine management, and calendar integration.
- Deployed on Railway with Supabase for real-time data sync.

Honors & Awards

2025 **1st Place**, Sustainable Design Hackathon Azerbaijan (with ATTN), Siemens DIS & 4SIM
2025 **2nd Place**, IU MIS Club Hackathon (with ATTN), RAG & Workflow Automation
2025 **3rd Place**, Future Commerce AIdeathon (with ATTN), Ministry of Commerce
2025 **5th Place**, Meta Llama Global Hackathon (with ATTN), Project: Areada
2025 Finalist, Teknofest 2025 (with ATTN), Startup: ATTN
2025 Pre-Incubation, YTU Startup House

Technical Skills

Languages	Python, SQL, JavaScript, TypeScript, HTML/CSS
Backend	FastAPI, Node.js, REST APIs, Celery, Redis
Frontend	React.js, React Native, Next.js
AI & ML	LangChain, LangGraph, RAG, Agentic AI, Gemini API, Meta Llama, DeepFace
Databases	PostgreSQL, Supabase, Qdrant (Vector DB)
DevOps	Docker, GCP, Nginx, CI/CD, Railway
Low-Code	Mendix, n8n

Languages

Turkish	Native
English	Fluent

TOEFL IBT: 100/120 (Jan 2026)