İBRAHİM TÜRKEL

JUNIOR AI / LLM & BACKEND DEVELOPER

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PROFESSIONAL SUMMARY

Computer Engineering undergraduate in an English-taught program (expected graduation: 2027), focused on AI-enabled applications, NLP/LLM workflows and backend development. Built individual and team projects in historical document analysis, personalized news recommendations and adaptive assessment. Familiar with Python, PHP, SQL, REST APIs and local LLM tools; interested in junior software engineering and AI automation roles.

TECHNICAL SKILLS

Programming: Python, PHP, C++, SQL
AI / NLP: LLM integration, prompt design, NLP workflows, Hugging Face Transformers, semantic similarity, recommendation logic
Backend / Data: REST APIs, MVC, MySQL, PostgreSQL, relational data modeling, basic query optimization
Tools / Practices: Git/GitHub, Linux, Ollama, LM Studio, OOP, modular design, SOLID fundamentals

SELECTED PROJECTS

Personalized AI News Recommendation Platform | 2025–Present | 5-person team
- Contributed to product and AI/backend workflow design for a news feed personalized by reading history and user interests.
- Worked on category-based ranking, semantic similarity, NLP content categorization and user–article matching approaches.

Ottoman Turkish Document Analysis & Translation Platform | 2024–2025 | Individual project
- Developed NLP/LLM workflows for historical document transcription, interpretation and translation into modern Turkish.
- Implemented prompt design, terminology/context checks and REST API–web interface integration.

AI-Assisted Adaptive Assessment Platform | 2025 | Backend / algorithm contributor
- Contributed to a PHP/MySQL assessment application with REST endpoints and question difficulty adapted to learner performance.
- Worked on assessment-data flows and SQL query improvements.

Independent AI Assistant & Agent Workflow Concepts | 2024–Present | Design stage
- Explored local open-source LLM assistant workflows (Ollama / LM Studio) and an AI agent operating-system concept with task routing, shared context, audit logs and human approval checkpoints.

Bilingual Personal Portfolio Website | 2026 | UI prototype
- Responsive static website concept with Turkish/English language switching and mobile navigation using HTML, CSS and JavaScript.

EDUCATION

Ankara Science University | Ankara, Türkiye
B.Sc. in Computer Engineering (English-taught) | Expected 2027
Relevant coursework: Data Structures & Algorithms, Database Systems, OOP, Operating Systems, Software Engineering

CERTIFICATIONS & PROFESSIONAL TRAINING

SAS (2025): Machine Learning Using SAS Viya; SAS Programming 1: Essentials; Data Literacy Essentials
Turkcell Akademi (2026): Python with Big Data
Udemy (2025): C++ Data Structures & Algorithms

LANGUAGES

Turkish: Native | **English:** B2 (upper-intermediate)