

ABDULLAH ARDA GÜNDOĞDU

AI Engineer & Gen AI Specialist

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[LinkedIn Profile](#) | [GitHub Profile](#)

SUMMARY

AI Engineering student at TOBB University of Economics and Technology, specializing in Generative AI and intelligent systems. Experienced in building production-ready AI applications using LLMs, RAG systems, and Knowledge Graphs. Passionate about creating AI agents that bridge natural language and complex technical workflows. Actively seeking international AI/ML internship opportunities.

SKILLS

- **Gen AI & LLMs:** GPT-4/GPT-5, Llama 3, Qwen 3, Fine-tuning, Prompt Engineering, Groq Inference
- **RAG & Knowledge Systems:** Vector Databases (Pinecone, Chroma), Knowledge Graphs, FiD, Semantic Search
- **AI Frameworks:** LangChain, LlamaIndex, Model Context Protocol (MCP), Hugging Face, OpenCV
- **Development & Tools:** Python, TypeScript, React, Next.js, Flask, FastAPI, Git, Docker
- **Deep Learning & Neural Networks:** PyTorch, TensorFlow, CNNs, RNNs/LSTMs, Transformers Architecture, Computer Vision

PROJECTS & EXPERIENCE

Karien - AI Desktop Companion

Independent Project | 2024 – Present

- Developed a fully interactive voice-activated AI companion that lives on your desktop and assists with everyday tasks.
- Gave the AI a unique personality, bringing it to life with an expressive animated avatar that reacts to conversations.

- Engineered the system to understand speech in real-time and securely control desktop applications.
- Ensured privacy and performance by allowing the AI to run completely locally on the user's hardware without needing the internet.

AI Customer Representative

B2B Project | 2024 – 2025

- Built an automated voice-calling AI agent for a bank to handle common customer inquiries and reduce call center wait times.
- Designed the agent to sound and interact just like a real human, naturally holding back-and-forth phone conversations.
- Integrated an intelligent search system (RAG) so the AI can securely look up and answer questions about specific banking data.
- Implemented strict security filters to ensure sensitive personal information is never exposed or stored improperly.

Synthetic Personality Analysis with NLP

BIL 470 Senior Project | 2024

- Conducted an academic research project to discover if a person's hobbies can be accurately guessed just by reading their personality profile.
- Analyzed massive datasets of character descriptions to find hidden connections between character traits and personal interests.
- Utilized advanced language and predictive models (Qwen 3 embeddings, Cross-Encoders) to automatically read profiles and reliably categorize their hobbies.
- Successfully trained a custom neural network that translates personality profiles directly into expected hobby recommendations.

TTS Training Data Generator

B2B Project | 2024

- Created an all-in-one web platform that makes it incredibly easy to produce professional voice cloning datasets from scratch.

- Used AI to automatically write thousands of diverse practice sentences for text-to-speech models to read.
- Streamlined the entire process of generating custom audio clips (Google Cloud TTS) and organizing them into ready-to-train datasets.
- Built in the ability to train and test new voice models (Coqui XTTS v2) directly inside the web browser without any complex setup.

EDUCATION

B.Sc. Artificial Intelligence Engineering

TOBB University of Economics and Technology | 2022 – Present | Ankara, Turkey | GPA: 2.6

- Specializing in Machine Learning, Deep Learning, and Natural Language Processing.
- Coursework in AI Systems, Neural Networks, and Knowledge Representation.
- Active member of the university AI research community.

LANGUAGES

- **Turkish:** Native
- **English:** IELTS 7
- **Japanese:** JLPT N5

INTERESTS

AI Research, Building Autonomous AI Agents, Knowledge Systems, Continuous Learning.