

Kemal Yagiz Daskiran

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EDUCATION

Istanbul Technical University <i>BSc in Electronics & Communications Engineering – CGPA: 3.50 / 4.0</i>	Expected June 2026
• Relevant Courses: Machine Learning, Artificial Neural Networks, Data Structures & Algorithms, OOP	

EXPERIENCE

BSH Hausgeräte / Bosch Group	Sep 2025 – Present
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AI/ML Engineer Intern

- Building internal conversational AI infrastructure on Azure AI Foundry with foundation models and MCP-based orchestrations to accelerate enterprise AI adoption and internal tool development

Airties

Aug 2025 – Sep 2025

DevOps Engineer Intern

- Implemented and optimized CI/CD pipelines, integrating automated linting, container scanning, and security checks, reducing deployment errors by ~30%
- Developed Go-based microservices to automate container and package transfers during repository mirroring (from Gerrit/GitHub → GitLab), improving full repository migration times by ~60%
- Authored comprehensive GitLab adoption guides (10+ pages) covering workflows and contribution standards, reducing onboarding and time by 25%, ensuring smooth transition to open-source development

Microsoft

June 2025 – Aug 2025

AI/ML Engineer Intern

- Designed and built phiDelta, a fully local AI research agent with planner-executor-evaluator logic, enabling 80+ dynamic tasks with real-time reasoning, RAG, tool integration, and multimodal capabilities
- Developed end-to-end agent workflows with Microsoft Phi-4 and gpt-oss-20b models, improving tool execution reliability by 60% and cutting follow-up failure cases by ~40%, benchmarked across 50+ scenarios
- Built an interactive demo platform with React and Next.js, using token streaming to cut first-response latency by up to 70%, improving usability and presentation

Arti ve Arti

July 2024 – Aug 2024

Cloud Engineer Intern

- Achieved a 70% reduction in manual data operations by developing a containerized database-monitoring tool
- Built an auto-scaling, load-balanced Apache cluster on AWS; sustained 3× traffic with zero downtime

PROJECTS

Istanbul Technical University	May 2025 – Present
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Undergraduate Machine Learning Research Assistant

- Developed data augmentation strategies and optimized PyTorch training algorithms for efficient model training. Implemented testing pipelines and authored documentation
- Developed encoder/decoder visualization tools to analyze performance across 12+ transformer layers, reducing model analysis time by 20% and enhancing interpretability to enable faster, more accurate research iterations

ITU BIOBEE Project Team

Oct 2024 – Present

Software & AI Developer

- Building AI-driven object detection and EMG signal processing pipelines for a bionic arm prototype
- Achieved 4th place in the nationwide TEKNOFEST competition, outperforming hundreds of teams

SKILLS & INTERESTS

Programming: Python, C, C++, Go

AI / ML: PyTorch, CUDA, Computer Vision, LangChain, LlamaIndex, Large Language Models, RAG

Cloud / DevOps: Docker, Kubernetes, AWS, CI/CD, Linux, Git, FastAPI, MLOps

Certifications: AWS Certified Solutions Architect – Associate, Amazon Web Services (June 2025)

Awards: National Quantum Computing Hackathon – TEKNOFEST: 4th Overall, 1st Undergraduate Team,

Interests: Drumming, Music Creation, Sci-Fi, Brewing Coffee, Reading, Photography