



MUHAMMED GÖKTUĞ TEMİZ

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ENGLISH : A 2

Military Service: Deferred
(June 2027)

ABOUT ME

Computer Engineer specializing in AI-driven systems, data processing, automation, and system integration. Experienced in developing scalable AI solutions, data pipelines, and system integrations using Python, LLMs, and database technologies. Focused on building reliable and automation-oriented solutions for real-world problems.

EDUCATION

2020 - 2025 GİRESUN UNIVERSITY | COMPUTER ENGINEERING

WORK EXPERIENCE

TELPASS İLETİŞİM HİZMETLERİ A.Ş. | AI Engineer

2026 (January - Present)

- Developed AI-based data processing, analysis, and automation pipelines to optimize data collection, processing, and reporting workflows.
- Designed AI Agent architectures, LLM integrations, and enterprise AI chatbot solutions for data enrichment, classification, and process automation.
- Built workflow automations and API integrations using n8n to digitize business processes.
- Developed REST API integrations, data processing services, and inter-service communication infrastructures using Python.
- Worked with Microsoft SQL Server (MSSQL), MySQL, and MariaDB for data modeling, SQL optimization, and database management.
- Developed search, indexing, and filtering infrastructures for large-scale datasets using Elasticsearch.
- Implemented monitoring, alerting, and observability dashboards with Zabbix, Prometheus, and Grafana.
- Contributed to scalable infrastructure management using Proxmox Virtual Environment (PVE), including virtual machines and containers.

INTERN

TÜRKİYE FİNANS KATILIM BANKASI | BACKEND DEVELOPER (Intern)

2025 (April - May)

- Supported backend development processes within the Credit Card Payment Systems department.
- Contributed to data analysis, SQL query optimization, and reporting using Microsoft SQL Server.
- Gained experience in service integrations and layered architecture within enterprise applications

MEMORİA BİLİŞİM VE MEDYA A.Ş. | .NET DEVELOPER (Intern) 2023 (July-August)

- Developed a blog platform with user and content management features using ASP.NET MVC.
- Designed a scalable architecture using layered design principles.
- Implemented database operations and CRUD functionalities with SQL Server and Entity Framework.
- Created responsive and user-friendly interfaces using Bootstrap and jQuery.

COURSES & CERTIFICATIONS

CISCO 1 – COMPUTER NETWORKING FUNDAMENTALS| BAŞAKŞEHİR LIVING LAB (CERTIFICATE OF PARTICIPATION)

- Completed training in computer networking, LAN/WAN, TCP/IP, and fundamental network protocols.
- Gained knowledge of IPv4/IPv6 addressing, subnetting, and basic network configuration.
- Learned the fundamentals of routers, switches, and access points.
- Designed and configured virtual networks using Cisco Packet Tracer.

PROJECTS

WEB-BASED AUDIO/VIDEO TRANSCRIPTION & ANALYSIS PLATFORM

- Developed an end-to-end SaaS platform for automated transcription, translation, summarization, and content analysis of audio and video.
- Implemented media processing and audio extraction pipelines using FFmpeg.
- Integrated Whisper API, GPT-4o, and MiniMax AI for transcription, translation, summarization, and sentiment analysis.
- Built asynchronous background job processing with Hangfire for long-running tasks.
- Developed multi-format export functionality for STT, SRT, VTT, PDF, and Word.
- Integrated Resend API for automated email notifications.

AI SUPPORT CHATBOT | Flask · MySQL · SQLite · YAML State Machine

- Developed a rule-based support chatbot using Flask, Gunicorn, and a YAML-based state machine with 16 workflows and 107 tests.
- Implemented a three-layer read-only security model for production MySQL using table whitelisting, SQL guards, and READ ONLY transactions.
- Implemented end-to-end PII masking using Regex and Luhn validation to prevent sensitive data from being stored in logs or databases.
- Integrated Zammad/Zendesk ticketing systems with live human-agent handoff.

TECHNICAL SKILLS

- Programming & AI: Python, AI Systems, Chatbots, Data Processing, Automation
- AI & Automation: LLM Integration, n8n, AI-based Data Systems
- Databases: Microsoft SQL Server, MySQL, MariaDB, SQLite
- Search & Logging: Elasticsearch, Logstash, Kibana, ELK Stack
- Monitoring & Observability: Zabbix, Prometheus, Grafana
- Infrastructure: Proxmox, Virtual Machines, Containers, Server Infrastructure
- Networking & Security: Firewall Management, Network Configuration, Backup & System Continuity
- Integration & Development: REST APIs, API Integration, Git, GitHub