

Taylan Özveren

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PROFESSIONAL SUMMARY

Information Systems and Technologies graduate from Yeditepe University, ranked 3rd in both the Faculty of Computer and Information Sciences and the Information Systems and Technologies Department, with a GPA of 3.82/4.00 on a full scholarship. Currently working as Solution Engineer Lead - Data & AI Applications at Nephos AI, a Microsoft Partner, leading the design and delivery of AI applications, data solutions, and cloud projects. Experienced in LLM/RAG systems, data engineering, machine learning workflows, API integrations, and production-oriented software architectures.

EDUCATION

Yeditepe University, Faculty of Computer and Information Sciences | Istanbul, Turkey

B.Sc. in Information Systems and Technologies | Sep 2021 - Jun 2026

GPA: 3.82/4.00 | Full Scholarship | Faculty Rank: 3rd | Department Rank: 3rd

Relevant Coursework: Data Mining, Machine Learning, Deep Learning, Database Systems, Software Engineering, Cloud Computing, Data Structures and Algorithms, Statistics

Adana Gündoğdu College Science High School | Adana, Turkey

Science High School Diploma | Sep 2016 - Jun 2020

GPA: 96.4/100 | Full Scholarship

PROFESSIONAL EXPERIENCE

Nephos AI (Microsoft Partner) | Istanbul, Turkey

Solution Engineer Lead - Data & AI Applications | May 2026 - Present

- Lead the technical design and delivery of AI applications, data solutions, and cloud projects from architecture and integration through production deployment.
- Design and integrate LLM/RAG systems, embedding-based search, data pipelines, machine learning workflows, APIs, and cloud services.
- Develop production-oriented AI application architectures using Python, AI services, data processing tools, LangChain, and LangGraph.

AI Applications Solution Engineer | Sep 2025 - May 2026

- Contributed to AI applications, data solutions, and cloud projects from solution design through technical implementation and deployment.
- Implemented LLM integrations, RAG systems, data pipelines, machine learning workflows, API integrations, and cloud deployment processes.

Damalink | Istanbul, Turkey

Data Engineer Intern (Compulsory Internship) | Jul 2025 - Sep 2025

- Designed and operated ETL/ELT pipelines using Informatica IDMC, ingesting PostgreSQL data into Azure Data Lake.
- Contributed to star-schema data modeling, data-quality rule implementation, SQL optimization, and real-time pipeline orchestration.

Yandex (via GiniTalent) | Remote

Search Relevance Evaluator | Sep 2024 - Jan 2025

- Evaluated query-result relevance and webpage quality based on detailed search-quality guidelines.
- Produced structured annotations covering user intent, source authority, spam signals, and ranking quality.

Metric Software Consulting | Istanbul, Turkey

Data Analyst Intern | Jul 2023 - Aug 2023

- Supported dashboard development and SQL query optimization for business intelligence reporting.
- Worked with SAP Data Services and contributed to sales performance analysis and reporting outputs for the PepsiCo BI Sustain team.

SELECTED PROJECTS

Cloud-Deployed Crypto Forecasting Platform

Built an end-to-end ML/DL pipeline for BTC/ETH direction forecasting using LightGBM and multi-task LSTM, validated with walk-forward evaluation and explained with SHAP. Deployed with a live Streamlit dashboard and scheduled model refresh.

Customer Analytics & Data Mining for E-Commerce

Delivered customer segmentation, personalized recommendations, and demand insights using RFM, PCA/K-means clustering, hybrid recommenders, CLV and LoyaltyScore features, AOV forecasting, and Prophet-based seasonality dashboards.

AI-Enhanced CPU Scheduling Optimization

Designed a hybrid scheduler combining classic algorithms with single- and multi-objective genetic algorithms and Q-Learning to minimize waiting and turnaround time. Implemented CSV logging, Gantt chart visualization, and Docker-based execution.

LearnSphere - Social Learning Platform (Django, LLM, HTMX)

Developed a collaborative social learning platform with Google OAuth, user profiles, likes/comments, course management, and LLM-based text summarization features; deployed with Django, HTMX, and Bootstrap.

LEADERSHIP, CERTIFICATIONS & ACTIVITIES

Microsoft Certified: Fabric Analytics Engineer Associate (DP-600) | Jan 2026

Microsoft Certified: Azure AI Engineer Associate (AI-102) | Sep 2025

Organization Leader and Board Member, Finance & Economics Club - Yeditepe University | Sep 2023 - Jun 2024

Organized the Economy & Finance Summit 2024, managed sponsorships and budgets, and coordinated more than 30 volunteers.

Microsoft Azure Engineering Program - Nephos AI & Systems | Mar 2025 - Aug 2025

Completed an end-to-end Azure engineering curriculum covering administration, data engineering, AI/ML, DevOps, and analytics.

IBM Data Science Professional Certificate | Jul 2024 - Dec 2024

Completed a 12-course program covering Python, SQL, statistics, machine learning, data visualization, and applied data science.

Data Science & AI Summer School - Coder Space | Aug 2024 - Sep 2024

Completed five weeks of intensive machine learning and deep learning training through applied industry projects.

AI Agents Course - Hugging Face | Feb 2025 - May 2025

Studied lightweight agent systems, LlamaIndex workflows, and LangGraph orchestration; implemented multi-step agents with tool and memory integration.

SKILLS & INTERESTS

Programming: Python, SQL, Java (OOP), C++, C, PHP, Kotlin, JavaScript, TypeScript

Frameworks & Software: Django, React, LangChain, LangGraph, scikit-learn, TensorFlow, Docker, Git, Linux

Cloud & Data: Microsoft Azure, Power BI, Informatica IDMC, SAP Data Services, PostgreSQL, ETL/ELT, data modeling, REST APIs

Languages: English (C1), German (A1)

Interests: Artificial Intelligence, Cloud Computing, Data Engineering, Quantum Technologies, Algorithmic Trading, Statistics