

Taylan Özveren

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SUMMARY

Final-year, full-scholarship Computer Science (Information Systems & Technologies) student (GPA 3.77/4.00) specializing in data science, artificial intelligence, machine learning, and cloud-based solutions. Microsoft Certified: Azure AI Engineer Associate (AI-102), with hands-on experience delivering end-to-end analytics platforms, forecasting models, and AI-driven applications. Proven leadership through organizing large-scale university events and managing cross-functional teams. Eager to learn, innovate, and contribute to impactful projects in data, AI, and software domains.

EDUCATION

Yeditepe University, Faculty of Computer Science

B.Sc., Information Systems and Technologies (GPA 3.77/4.00, Full Scholarship)

Coursework: Data Mining, Machine Learning, Deep Learning, Cloud, Software, Database Systems, Structures & Algorithms.

Istanbul, Turkey

Sep 2021 – Jun 2026 (expected graduate)

Adana Gündoğdu College Science High School

Science High School Diploma (GPA 96.4/100, Full Scholarship)

Adana, Turkey

Sep 2016 – Jun 2020

EXPERIENCE

Data Engineer Intern (Compulsory Internship), Damalink, Istanbul/Ataşehir

Jul 2025 – Sep 2025 (Present)

Currently designing and operating real-time ETL/ELT pipelines with Informatica IDMC, streaming PostgreSQL data into Azure Data Lake; building star-schema models, implementing data-quality rules, optimizing SQL, and orchestrating pipelines end-to-end.

Search Relevance Evaluator (via GiniTalent), Yandex

Sep 2024 – Jan 2025

Assessed query–result relevance and page quality per detailed guidelines; produced structured annotations (intent coverage, authority, spam) and ranking/UX recommendations. (Remote)

Data Analyst & BI Intern, Metric Software Consulting, (Istanbul, Ataşehir)

Jul 2023 – Aug 2023

Contributed to the PepsiCo BI Sustain team in a voluntary capacity; supported dashboard creation and query optimization using advanced SQL and SAP Data Services, assisting in generating insights for sales performance and strategic tracking.

SELECTED PROJECTS

(GitHub Portfolio: <https://github.com/TaylanOzveren>)

- **AI & Data Science --- Cloud-Deployed Crypto Forecasting Platform (ML & DL Based):**

Built an end-to-end Machine Learning & Deep Learning pipeline for BTC/ETH direction forecasting (**LightGBM classifier + multi-task LSTM**), validated with **walk-forward** evaluation and explained with **SHAP**. Cloud-Deployed with a live Streamlit dashboard and scheduled model refresh; roadmap includes; an LLM-powered chatbot interface.

- **Customer Analytics & Data Mining for E-Commerce (Data Mining & Machine Learning):**

Delivered customer segmentation, personalized recommendations, and seasonality-aware demand insights for CRM and inventory planning **via RFM + PCA-K-means** clustering, hybrid recommenders (CF + content-based, cosine), CLV/LoyaltyScore features, AOV forecasting (**XGBoost, GridSearchCV**), and Prophet-based seasonality dashboards.

- **CPU Scheduling Optimization – AI Enhanced (Reinforcement Learning & Genetic Algorithms):**

Designed a hybrid scheduler merging classic algorithms with single- & multi-objective GA and Q-Learning to minimize waiting / turnaround time. Implemented performance logging (CSV), visualized results via **Gantt charts**, and provided consistent execution across environments through **Docker containerization**.

- **LearnSphere – Social Learning Platform (Django, LLM, HTMX)**
Developed a modern, collaborative social learning platform featuring Google OAuth integration, interactive user profiles, real-time post interactions (likes/comments), and intuitive course management with responsive UI. Integrated **LLM-based** text summarization features for shared resources; deployed live with Django, HTMX, and Bootstrap.

LEADERSHIP & ACTIVITIES

- **Organization Leader, Finance & Economics Club, Yeditepe Univ.** **Sep 2023 – Jun 2024**
Organized “Economy & Finance Summit 2024”; managed budgets & sponsorships; coordinated 30+ volunteers (Board Member).
- **Microsoft Azure Engineering Program — Nephos AI & Systems** **Mar 2025 – Aug 2025**
Completed end-to-end Azure engineering curriculum in Administration, Data, AI/ML, DevOps, and Analytics, earning the Microsoft Certified Azure AI Engineer Associate credential.
- **IBM Data Science Professional Certificate** **Jul 2024 – Dec 2024**
Completed 12-course program covering Python, SQL, statistics, ML algorithms, data visualization, data science.
- **Data Science & AI Summer School, Coder Space** **Aug 2024 – Sep 2024**
Five-week intensive training in machine learning & deep learning through industry projects (+ company visits for real-world).
- **AI Agents Course — Hugging Face** **Feb 2025 – May 2025**
Studying lightweight agent systems (smolagents), LlamaIndex data management, and LangGraph workflows. Implemented multi-step reasoning agents with tool and memory integration using local LLMs.

SKILLS & INTERESTS

Technical: Python, SQL, Java (OOP), C++, C, Linux, Kotlin, JavaScript, HTML/CSS, Operating Systems, Django (Full-Stack).

Tools: Git, SAP Data Services, scikit-learn, TensorFlow, Power BI, other Python libraries, Azure Services, Docker, Informatica.

Languages: English (B2), German (A2).

Interests: Artificial Intelligence, Cloud Computing, Quantum Physics, Algorithmic Trading, FinTech, Statistics.