

TUNÇ KUL

Computer Engineer & Software Engineer

+90 (506) 379 51 16 | kltnc.business@gmail.com

[Portfolio](#) | [LinkedIn](#) | [GitHub](#) | [Credly](#) | [dev.to](#) | [daily.dev](#)

[tnckl.vercel.app](#) · [linkedin.com/in/tnckl1n](#) · [github.com/tnctungkl](#) · [credly.com/users/tunc-kul](#) · [dev.to/tnckl](#) · [app.daily.dev/tunckul](#)

PROFESSIONAL SUMMARY

Computer and Software Engineer with an engineering-first, ownership-driven mindset: build it measurable, testable and observable — from ML models and REST APIs to ad campaigns. Strong in systems thinking, analytical problem solving, clean automation and disciplined delivery, backed by a work ethic of reliability, accountability, transparency and continuous improvement. Keeps pace with the AI era, using LLMs, Generative AI and AI-assisted development as productivity multipliers while validating results with tests and metrics. A multi-process, multilingual engineer (Turkish, English B2, German B2.1) who moves fluidly across backend, MLOps, QA, networking and digital marketing, aiming to ship trustworthy, AI-driven products that create real business value.

TECHNICAL SKILLS

Programming Languages: Python, Go, C, C++, C#, JavaScript, Node.js, HTML, CSS, SQL, JSON, Lua, Arduino, LaTeX

Backend & Data: FastAPI, REST APIs, PostgreSQL, MongoDB, Pydantic, log management, data exports (JSON, CSV, XLSX, PDF, DOCX)

AI, ML & MLOps: scikit-learn, model versioning & serving, Generative AI, Large Language Models (LLMs), Responsible AI, Prompt Design, Data Science, Hill-Climbing & Simulated Annealing

DevOps & Observability: Docker, Docker Compose, Linux, GitHub, GitHub Actions (CI), Prometheus, Grafana, PowerShell

QA & Testing: Selenium WebDriver, Pytest, Page Object Model (POM), data-driven testing, Allure reporting, UI/regression and responsive testing, defect reporting

Networking: CCNA, Cisco Packet Tracer, switching, Ping-based device monitoring

Digital Marketing: Google Ads, Google Ads Editor, SEO, keyword/snippet/package/area analysis, multi-account management, customer review analysis

Core Competencies: Leadership, Management, Strategic Thinking, Communication, Teamwork, Problem Solving

Languages: Turkish (Native) · English (IELTS Academic B2) · German (B2.1)

EDUCATION

B.Sc. Management Information Systems — Anadolu University Eskişehir, Türkiye	2025 – Present
B.Sc. International Trade and Logistics — Istanbul University İstanbul, Türkiye	2025 – Present
B.Sc. Computer Engineering — Mersin University (GPA 3.45 / 4.00) Mersin, Türkiye	Sep 2018 – Jan 2024
B.Sc. Computer Engineering — Balıkesir University Balıkesir, Türkiye	Sep 2017 – Aug 2018
High School — Mahmut Arslan Anadolu Lisesi (90.31 / 100) Mersin, Türkiye	Sep 2013 – Jun 2017

PROFESSIONAL EXPERIENCE

Google Ads & SEO Specialist — Eterna Technologies 1 Mar 2026 – 15 Apr 2026
Mersin Teknopark, Türkiye · Full-Time

- Managed **multiple Google Ads accounts end-to-end** — campaigns, SEO, ads, packages, wallet/billing and account settings — using **Google Ads Editor** for multi-account management, control and package impression tracking.
- Delivered a 90%+ average Google Ads performance score** across managed accounts through continuous optimization, quality control and proactive troubleshooting.
- Performed **SEO and advertising analysis**: keyword, snippet, package, area and ads-input analysis; analyzed **customer reviews** to extract insights for campaign improvement.
- Monitored **data flow**, analyzed account **money flow**, and verified balances and ad operations to ensure accurate spend and uninterrupted delivery.
- Resolved Google Ads account issues and supported **Google Ads-related software development**, performing software + ads quality control.

Software Developer & Database Specialist — ePati Cyber Security Technologies Mar 2024 – Nov 2024
Mersin Teknopark, Türkiye · İEP

- Developed software and administered databases (SQL) for a cybersecurity technology company.
- Provided technical support and resolved issues for the IT-Technical Department.
- Selected as a full-time Computer Engineer through the national “Geleceğin Meslekleri İş Başı Eğitim Programı (İEP)”, a Türkiye-supported program that places fresh graduates in employment.

AI Algorithms Intern — Mersin University IT Center Jul 2023 – Aug 2023

- Built an AI testing framework on the **Hill-Climbing Algorithm** that generates random test scenarios using informed and uninformed search algorithms, selects the best scenarios and evaluates them on accuracy, time, global/local maximum and global/local minimum.
- Benchmarked results against **Simulated Annealing**; conducted as an academic study; deployed with **Docker** containers on **Linux**.

Software Intern — Mersin University Hospital, IT Center

Jul 2022 – Aug 2022

- Developed a **screen recording system** supporting screen, camera, microphone, thumbnail and screenshot capture (individually or combined), recording in 1920×1080 @ 60 Hz with high-bit-rate audio and no frame loss; runs reliably as a background **.exe** process.

Network Monitoring Intern — Mersin University Hospital, IT Center

Jun 2022 – Jul 2022

- Built a **network device monitoring system** that connects to hospital devices via switches and the network, checks health with **Ping** and diagnoses the cause of failures.
- Runs in the background as an **.exe** and notifies officials and staff via **SQL, WhatsApp, Telegram, e-mail and SMS** after every check.

CERTIFICATIONS & DIGITAL BADGES

Cisco Networking Academy

Network Basics — 2026

Python Essentials 2 — 2026

Introduction to Data Science — 2026

Linux Essentials — 2026

Apply AI: Update Your Resume — 2026

Partner: PCAP – Programming Essentials in Python — Dec 2023

CCNA R&S: Introduction to Networks — Jul 2022

Python Essentials 1 — 2026

Introduction to Modern AI — 2026

Linux Unhatched — 2026

Apply AI: Analyze Customer Reviews — 2026

CCNA — 2024

Introduction to Packet Tracer — Dec 2023

All Courses Transcript (more upon request) — 2023–2026

Google — Digital Badges

Responsible AI: Applying AI Principles with Google Cloud — Google

2026

Introduction to Large Language Models — Google

2026

Design Prompts in Agent Platform — Google

2026

Introduction to Generative AI — Google

2026

Language Proficiency

IELTS Academic (English B2) ×2 — British Council

Jul 2025; Mar 2025

German B2.1, B1.2 and B1.1 (DaF) — IIK Düsseldorf, Germany

Nov 2024 – 2025

Professional Training & Testing

ICT Academy Bootcamp & Certification (Organization Management) — HUAWEI

Nov 2022

Control Test (Tester [Success]); Meeting Assessment Seminar (Crew [Tester]) — TRTest

Feb; Jun 2024

SEMINARS & EVENTS

Google Developer Student Clubs — Mersin University Career Days (VIP 2022, 2023; Guest 2021)

May 2021 – May 2023

Girişim Limanı — Mersin University Career Days (VIP); Genç Girişim Limanı (Guest, May 2021)

Feb 2022 · May 2021

Kodlama Seminerleri — Mersin University Seminars (Guest)

Mar, Jul, Dec 2020

PROJECTS & RESEARCH

Selected portfolio projects below. For more, visit or reach out via my [Portfolio](#), [GitHub](#), [dev.to](#) and [daily.dev](#). Professional projects at ePati are confidential; university projects available upon request.

Sentiment End-to-End MLOps | AI/ML · Python, FastAPI, scikit-learn, PostgreSQL, Docker Compose, Prometheus, Grafana, Pytest

- Built a production-oriented sentiment analysis service covering the ML lifecycle: training (TF-IDF + Logistic Regression), content-hashed model versioning, REST inference API, PostgreSQL audit logging with request-ID traceability, and Prometheus/Grafana monitoring.

TungSupSys — AI/ML Decision Support System | AI/ML · Python, FastAPI, PostgreSQL, MongoDB, Docker, GitHub Actions

- Designed a secure REST API with dual-database persistence (PostgreSQL + MongoDB), API-key/RBAC foundations, policy-oriented PDF reports, Prometheus/Grafana observability, and unit/integration/e2e tests enforced via GitHub Actions CI.

Selenium QA Automation Framework | QA / Test Automation · Python, Selenium, Pytest, Allure, Docker

- Built a Page Object Model UI test suite (JSON-driven data, explicit waits, failure screenshots, Allure reports) validating an e-commerce popup component across viewports; detected real UI defects (non-rendering popup, duplicate DOM nodes, responsive failures) and documented them in a test plan, strategy and bug report.

TungLogger — Pro Log Manager | Data / Tools · Python, PostgreSQL, FastAPI, Tkinter

- Developed a desktop log manager with PostgreSQL persistence (pooling, retries, triggers), real-time refresh, multi-filtering, a FastAPI log server, API bulk import, and one-click export to JSON, CSV, XLSX, PDF and DOCX.

REFERENCES

Prof. Dr. Hamza EROL

Head of Computer Engineering Department, Mersin University

Doç. Dr. Çiğdem ACI

Assistant Dean, Faculty of Engineering, Mersin University

Yusuf Turhan TEKİN

Manager, IT Department, Mersin University Hospital

Contact details and additional references available upon request.

Dr. Öğr. Üyesi Mehmet ACI

Advisor, Computer Engineering Department, Mersin University

Levent GÜR

General Manager, Mersin University Hospital

Kutluhan KİBRİT

Chairman of the Board, ePati Cyber Security