

Aslan Yusuf ZEYBEK

Computer Engineering Student

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PROFESSIONAL SUMMARY

Computer Engineering student at Galatasaray University with a solid foundation in algorithms, data structures, and artificial intelligence. I have worked on projects involving Retrieval-Augmented Generation (RAG) systems and graph-based network analysis. I am interested in developing efficient and well-structured systems and applying machine learning methods to practical problems. Alongside my academic work, I take part in technical and international student organizations, which has strengthened my teamwork and organizational skills.

EDUCATION

Galatasaray University

Bachelor of Science in Computer Engineering [2023 – Present]

GPA: 3.38 / 4.00

PROJECTS

RAG-Based AI Assistant

- Developed a document-based question answering chatbot using Large Language Models (LLMs).
- Implemented Retrieval-Augmented Generation (RAG) architecture for context-aware and up-to-date responses.
- Integrated semantic search using vector databases in Python.

Social Network Analysis with Graph Algorithms

- Performed community detection on the Zachary Karate Club dataset.
- Implemented Fast Greedy and Louvain algorithms from scratch in C.
- Conducted performance analysis by comparing execution times and modularity scores.

Electronic Circuit Design and Simulation

- Designed and simulated a DC motor driver circuit using Arduino and BC238B transistor.

LEADERSHIP & ACTIVITIES

Board Member – Galatasaray University IAESTE Student Club

Board Member – GSU BMK (GSUComputer Engineering Club)

Volunteer – International Conference on Computational Science and Its Applications (ICCSA)

CERTIFICATIONS & PROGRAMS

- Akbank Generative AI Bootcamp – Global AI Hub
- DELF B2 French Diploma
- Google AI Essentials – Coursera
- Google Project Management – Coursera
- Google Data Every Where – Coursera
- Certificate of Appreciation – ICCSA
- Basic Entrepreneurship Training Certificate-Yapay Zeka ve Teknoloji Akademisi
- Entrepreneurial Finance Training Certificate -Yapay Zeka ve Teknoloji Akademisi
- Deep Learning Certificate -Yapay Zeka ve Teknoloji Akademisi
- Yapay Zeka ve Teknoloji Akademisi
-AI and technology training program supported by Google Turkey, T3 Foundation, and Sanayi ve Teknoloji Bakanlığı -AI Trainee

TECHNICAL & SOFT SKILLS

Programming: C, Python, Java

AI & Tools: RAG, LLMs, Prompt Engineering, LangChain, NumPy, Raylib, PyQt5, Tkinter

Concepts: Data Structures, Deep Learning, Machine Learning, Algorithms, Graph Theory, Community Detection, Performance Analysis

Soft Skills: Collaborative Teamwork, Adaptability, Time Management, Effective Communication, Problem-Solving

LANGUAGES

Turkish (Native)

English (B2+)

French (B2 – DELF Certified)