



Gizem Gültoprak

Software Developer

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Software Engineering student specializing in backend systems with a strong focus on cloud infrastructure and AI integration. Adept at object-oriented design, complex algorithm development, and building scalable, high-performance applications across diverse technologies.

Areas of Expertise

Technical Skills: **Programming Languages:** Java, C, C++, Python, C# **Tools&Technologies:** Git, Fork, GitHub, Unity, Docker, Kubernetes, Azure, Selenium **Frameworks&Libraries:** TensorFlow, PyTorch, Pandas, NumPy, Matplotlib, Junit, ROS **Specializations:** Backend Development, AI Integration **Database Management:** PostgreSQL, MySQL **Professional Skills:** Public Speaking, Team Player & Leadership, Conflict Management, Software Project Management & Execution, Problem Solving & Critical Thinking, Data Analytics **Hobbies:** Guitar & piano playing

Professional Expertise

FEBRUARY 2024 – DECEMBER 2024

Software Engineer Intern | Müze Kolektifi | Hybrid

Developed and deployed interactive museum backend systems using Python, Django, Unity, and Flutter, increasing visitor engagement by 40%. Built a responsive company website and panoramic visualization tools using cloud-compatible technologies (HTML, JavaScript, Flutter), enhancing user interaction by 25%.

NOVEMBER 2023 – DECEMBER 2023

Android Mobile Development | Google Developers Student Club | izmir, Türkiye

Delivered a four-session mobile programming course on Kotlin and Jetpack Compose to 100+ students, achieving a 98% satisfaction rate.

Education

2022 - 2026

Bachelor of Software Engineering | Yaşar University | izmir, Türkiye | 3.58 GPA | Academic Honor Scholarship

Projects

UAV Detection & Tracking | YOLOv8, Fast API, OpenCV (February 2025), **Superball AI** | C#, Unity (February 2024), **Preshield Scan AI** | Visual Scan, LIDAR (January 2023), **Kotlin Android Lecturer** | Kotlin, Android Studio (November 2023), **Woman in Engineering Meeting Organizer** | IEEE, Vice-Chairwoman of WIE (October 2023)

Languages

English fluent, Turkish native, German A1, Spanish A1

Certificates

Google Project Management | Coursera, **Harvard Introduction to Computer Science** | EDX, **Artificial Intelligence Tools** | izmir Metropolitan Municipality, **AI Literacy Bootcamp** | Global AI Hub, **Version Controls: Git & GitHub** | BTK Academy