

# M. Ali ŞEN

Computer Engineer

AI/ML Developer



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## My Interest

I am deeply interested in artificial intelligence and machine learning, with a particular focus on generative models, large language models (LLMs), and vision-language models (VLMs). I have hands-on experience designing custom workflows with ComfyUI and fine-tuning models using SD Flux Llama etc. During my academic years, I actively participated in several NLP and ML projects, including a TÜBİTAK-funded research project (122E666) centered on AI, deep learning, image processing, and natural language processing. While I previously worked with Java (Spring) for backend development and Swift (UIKit/SwiftUI) for mobile, my current focus is on building intelligent, multimodal AI systems through continuous research and practical experimentation.

## About Me

AI/ML Engineer with a strong academic foundation and hands-on experience in modern software development. I hold an Associate's Degree in Web Design and Coding (2020) and a Bachelor's Degree in Computer Engineering from Yildiz Technical University (2023), where I am currently pursuing a Master's. I actively research and apply cutting-edge technologies, with a focus on generative models, LLMs, VLMs, Retrieval-Augmented Generation (RAG), and multi-modal computing. Proficient in Python, Java, Swift, C, SQL, and GraphDB (Neo4j/Cypher). Passionate about building intelligent, scalable systems and committed to staying at the forefront of AI through continuous learning and experimentation. I thrive in collaborative environments and bring a solution-oriented mindset to complex technical challenges.

## Education

2018 - 2020	Assn Web Design And Coding GPA: 3.83	Anadolu University
2020 - 2023	BSc Computer Engineering GPA: 3.17	Yildiz Technical University
2024 -	MSc Computer Engineering Master	Yildiz Technical University

## Professional Experiences

2022 Oct	<b>E-Commint</b>	Software Developer
	E-commint is a technology company that has long been providing professional services in the e-commerce industry and is an SAP Silver Partner offering SAP Commerce Cloud services. I have been working as a software developer in this company since October 2022. I took part in the development of e-commerce sites of <b>Karaca</b> and <b>Awazr</b> companies.	
2023 Apr	<b>UPOD.dev</b>	Lead Assistant
	Since March 2023, I have been serving as a Lead Assistant in the Data Science track at UPOD, an educational platform focused on training high-quality software developers.	
2023 Nov	<b>Nomination Italy Turkey</b>	IT Project Manager
	As the IT Project Manager, I have gained a wide range of experience, particularly in e-commerce, shopify, ERP, SAP, System Design. I have worked especially on reporting and sales forecasting with SQL and also on dynamic systems for product, advertising and marketing using generative AI models	
2023 May	<b>Freelance/Contracted AI/ML Engineer</b>	Data Scientist
	I worked on project-based tasks using various LLMs, SLMs, and VLMs for RAG-enhanced chatbots, fine-tuned agents, and custom assistants. I built detailed models with Generative AI tools, created workflows in ComfyUI, and developed projects like BabyFaceGenerator, Face Swap, Style Transfer, and OlderStyle. I also built time series forecasting systems (e.g., LTV) and applied reinforcement learning to optimize supply chains.	
2025 Jan *	<b>Unico Studio</b>	AI/ML Engineer
	I am currently working at Unico Studio as an AI/ML Engineer and Data Scientist. My work involves generating game/store assets—such as themes, characters, and styles—using generative models (FLuX SD etc) based on learned visual patterns. I contribute to accelerating translation and localization processes through the use of LLMs (e.g., GPT, Gemini, Llama) and custom machine translation frameworks such as OpenNMT and Marian NMT. I also apply machine learning algorithms to predict marketing LTV, automate routine QA testing through Multi-Agent Control Protocols (MCP), and identify optimal level designs using AI/ML models. Additionally, I develop and manage ComfyUI workflows for the company's AI-driven applications, including the creation and customization of advanced workflows tailored to production needs.	

## Social Skills

I am an effective communicator and collaborative team member, capable of leading, motivating, and aligning teams around shared goals. I value responsibility and take initiative when needed. With strong empathy and a user-centered mindset, I strive to improve user experience through thoughtful, well-informed solutions. My analytical thinking, adaptability, and commitment to continuous learning help me thrive in both technical and interdisciplinary environments.

## Languages / Frameworks

Python

Java (Spring)

SQL (MsSQL & PSQL)

C

Swift

JS (React & Angular)

Scale: 0 (basic skills) - 6 (expert).

## Projects

- 2023 [Karaca Projects / E-Commint](#) Java, Spring, Hybris, Angular, REST  
I took part in the development of the [Netherlands](#) and [Russian](#) Sites of Karaca company, E-Commint, which operates as an SAP Commerce Cloud Service (CX) [Silver Partner](#). I gained a lot of experience in these works producing solutions based on SAP Hybris.
- 2023 [Automatic Change Detection in Remote Sensing Images](#) TUBITAK 122E666  
In this project, we implemented a method for automatic change detection in remote sensing images. The proposed method uses image differentiation and thresholding techniques to identify areas where significant changes occur between two images taken at different times. The approach is evaluated on a high-resolution dataset. Satellite images and results show the effectiveness of the method. Detect changes in various types of land cover, including urban areas, forests, and agricultural land. The proposed method provides a fast and effective solution to monitor changes in large-scale remote sensing images important applications in areas such as land use planning, disaster management and environmental monitoring.
- 2023 [NLP ChatBot Project](#) Python, LSTM, NLTK, RNN  
In this project, we developed a simple chatbot to promote our university and department. NLP course project, an interface was prepared through tkinter framework and answers to users' FAQ about the university and our department were created. The questions and answers were taken from the university website and the chatbot was prepared by processing the sentences and words here.
- 2024 [VolerGift e-Commerce Web Site](#) Shopify  
[Nomiation Italy Official Turkey Web Site Project](#)
- \* [For Other Works/Projects](#)  
You can see my other works on my GitHub profile

## Education, Courses and Certifications

- 2023 [Red Hat System Administration I \(RH124\) II \(RH134\)](#) YTU
- 2022 [CCNA-1 CCNA-2 CCNA-3 CCNAv7](#) Cisco
- 2022 [İBB & Ecodation Data Science Bootcamp](#) İBB
- 2022 [Java Spring Bootcamp E-Commint](#) E-Commint
- 2022 [Java & Angular Bootcamp yazilimkoyu.org Certificate](#) Aksigorta
- 2022 [IOS Bootcamp Assistant Patika.dev Certificate](#) Arcelik
- 2022 [IOS Bootcamp Assistant Patika.dev Certificate](#) Pazarama
- 2024 [Quantum Computing & Programming QBronze](#) QTurkey
- 2025 \* [NewMind AI Bootcamp Assistant Patika.dev Certificate](#) NewMind AI
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