Wael Kabouk

AI & Software Engineer

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SUMMARY

AI & Software Engineer with expertise in computer vision, generative AI, and agentic automation. Built and deployed end-to-end AI systems using YOLO, OpenCV, LangChain, and LangGraph, achieving measurable improvements including 81.3% tracking accuracy and 40% automation efficiency gains. Strong software engineering foundation across MERN, Next.js, Python, and cloud deployment. Passionate about building production-ready AI systems that deliver real business value.

EDUCATION

M.Sc. Software Engineering (100% English), *Sakarya University*   10/2023 – 09/2025
GPA: 3.44 / 4.00

B.Sc. Computer Engineering (100% English),   10/2019 – 07/2023
Mugla Sitki Kocman University
GPA: 3.62 / 4.00

EXPERIENCE

AI & Software Engineer, *Freelance*   10/2023 – Present │ Remote
- Applied MSc research on multi-camera tracking ☑ using **OpenCV, YOLO, and NumPy,** achieving **81.3%** accuracy.
- Developed agentic AI assistants ☑ and automation tools using **LangChain, LangGraph, and CrewAI,** delivering them to clients and reducing task completion time by **40%.**
- Developed and deployed full-stack applications using Next.js and PostgreSQL, improving backend efficiency and reducing database query time by **28%** through optimized indexing and API restructuring.

Associate Software Engineer, *Kyber Tech*   01/2023 – 06/2023 │ Muğla
- Delivered **8** full-stack features ☑ using the **MERN stack**, with multi-language support and dynamic pages, improving UX and loading speed by **30%.**

Software Engineer Intern, *Mugla Sitki Kocman University*   06/2022 – 09/2022 │ Muğla

- Developed a scalable multi-vendor e-commerce cross-platform with **Flutter, Node.js, Express.js,** including a smart product recommendation system.

SKILLS

AI: Numpy, Pandas, Matplotlib, PyTorch, TensorFlow, Keras, Scikit-learn, OpenCV, YOLO, LangChain, LangGraph

Full Stack: React, Next.js, Flutter, PyQt, FastAPI, Express, Supabase, PostgreSQL, MySQL, MongoDB

DevOps: Docker, Kubernetes, Git, CI/CD, AWS, MLflow

Soft Skills: Problem-Solving, Teamwork, Communication, Leadership, Adaptability, Agile/Scrum, Presentation

Languages: Arabic(Native), English(C1), Turkish(B2)

VOLUNTEER EXPERIENCE

Software Developer, *Syria Students Union*   10/2023 – 10/2024
- Developed a Telegram chatbot to assist international students in Turkey with common inquiries.

Programming Fundamentals Instructor, *Youth Center -Mugla*   10/2022 – 07/2023
- Mentored students in coding and problem-solving through practical, real-world projects.