

Sultan Alfaifi

Full-Stack Software Engineer specializing in AI Agents

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SUMMARY

Software engineering student at Umm Al-Qura University (graduating 2027) and COOP software engineer intern at Salla. I build AI agents that check with you before they act, and I have put a new project on GitHub almost every month since launching Masari, a CV builder with about 1,600 active users, in February 2026.

SKILLS

Back end: Laravel, PHP, MySQL, REST APIs

AI agents and LLMs: Python, AI agents, LLM applications, structured outputs, multi-agent workflows

Machine learning: PyTorch, deep learning, computer vision (CNNs, U-Net segmentation, transfer learning)

Practices: system design, API integration, database design, Git, testing and debugging

Languages: Arabic (native), English

EXPERIENCE

Software Engineer Intern (COOP), Salla | Jun 2026 – Present | Makkah, Saudi Arabia | salla.com

- Build REST endpoints in Laravel and PHP that read and write MySQL, delivered as structured COOP assignments.
- Validate input and return clear errors on every endpoint.
- Write tests for every endpoint and hand in each assignment with them.

PROJECTS

AccessFinish, Verified AI code repair · Nebius Global AI Hackathon entry | Oct 2026 | [Evidence](#) · [GitHub](#)

- Built a repair loop that runs each NVIDIA Nemotron fix in a sealed, network-free sandbox and accepts it only when the booking saved in the database is right.
- Published every run, failures included: 7 of 7 fixes verified on a fault I seeded, and 0 of 7 on a real upstream bug across 43 attempts.

Mustakshif, Local AI model advisor · Windows app and CLI · v0.4.0 | Jul 2026 | [Download](#) · [GitHub](#)

- Built a Windows desktop app and CLI in Python that ranks local AI models for a PC's hardware and the user's goals, with the reason for each pick; 160+ release downloads.

Masari, Private CV builder · live on GitHub Pages | Feb 2026 | [Live](#) · [GitHub](#)

- Launched a CV builder in Arabic and English with a live preview and on-device vector PDF export; about 1,600 active users and 1,250+ CVs downloaded (my own count).

RAJIH Engine, Multi-agent decision workflow · Python CLI · v0.4.1 | Sep 2026 | [GitHub](#)

- Designed a multi-agent workflow where isolated agents draft ideas, each idea gets structured critique and an evidence check, and close or weakly supported calls stop for a person.

TEACHING AND COMMUNITY

- Trainer, AI Agents Bootcamp, Artificial Intelligence Pioneers (3 days): fundamentals, tools, memory, planning, and multi-agent workflows, ending with a live build

RECOGNITION

- Top 5%, KAUST Academy AI specialization (in-person advanced stage in machine learning and deep learning with PyTorch)
- Final stage, IBM AI Experiential Learning Lab: one of 600 learners; our multi-agent healthcare project, Afiyah, scored 5/5 on every criterion
- Finalist, Hackathon Amd (Alinma Bank × Tuwaiq Academy) with AutoFlow
- Miyahathon 3 (Saudi Water Authority innovation program): team through to the modeling race and final, Oct 2026

EDUCATION

Software Engineering, Umm Al-Qura University, Makkah · 2023 – expected 2027

TRAINING

- NVIDIA Deep Learning Institute: Fundamentals of Deep Learning