

Adem Guedri

Computer Engineering Student | Agentic AI, Multi-Agent Systems, and LLM Applications

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SUMMARY

Computer Engineering student at Umm Al-Qura University (GPA 3.99/4.0) with hands-on experience building agentic AI systems and LLM-powered applications. Completed the KAUST Academy AI Program, ranking in the top 5% of 12,000+ participants. Trained at IBM AI Lab building a full-stack multi-agent healthcare platform.

EDUCATION

Umm Al-Qura University Makkah, Saudi Arabia
B.Sc. Computer & Network Engineering, GPA 3.99 / 4.00 2024 – 2029

- Project Management Committee Member, Computer Club (February 2026 onwards)

KAUST Academy 2026
Artificial Intelligence Program

- Introduction stage (with Distinction): ML Foundations, ML Algorithms, Deep Learning, Unsupervised Learning
- Advanced stage: Computer Vision, Transfer Learning, Image Segmentation, Object Detection
- Ranked in the top 5% of 12,000+ participants

EXPERIENCE

AI Developer Trainee, IBM AI Lab April 2026 – June 2026
Remote

- Built Aafiyah, a full-stack multi-agent AI healthcare platform in a 5-member team during a 10-week IBM industry immersion, using Node.js/Express and an enterprise AI orchestration layer.
- Designed 3 specialized AI agents (Medical Summary, Medication Reminder, Medical History) to convert clinical notes into structured patient care plans and medication schedules.
- Integrated AI-powered care plan summarization with safety constraints preventing incorrect diagnoses or unauthorized prescription changes.
- Presented the final system to IBM evaluators and industry mentors.

PROJECTS

Aafiyah – AI Healthcare Platform [GitHub](#)
Node.js, Express, Multi-Agent AI, JavaScript 2026

- Multi-agent healthcare prototype: 3 AI agents converting clinical notes into structured care plans, with separate doctor and patient dashboards.

Content Inspiration – AI Blog Summarizer [GitHub](#)
Python, Streamlit, Ollama 2025

- Scrapes the Google AI Blog and summarizes articles using a local LLM with fully on-device inference and zero external API costs.

Trend Web – Social Platform [GitHub](#)
Laravel, PHP, MySQL, Tailwind CSS 2025

- Full-stack social platform with user authentication, profile management, and a live posting feed using Laravel MVC architecture.

SKILLS

AI/ML: Multi-Agent Systems, AI Agents, RAG, PyTorch, scikit-learn, Computer Vision, Deep Learning, Pandas, NumPy

Languages: Python, JavaScript, PHP, Java

Web: Node.js, Express, Laravel, Streamlit, Tailwind CSS

Tools: MySQL, SQLite, BeautifulSoup, Selenium, Git

Soft Skills: Team Leadership, Project Management, Agile, Design Thinking, Communication, Problem-Solving