

Areej AlSifsafi

Software Engineer | Ai Engineer | Saudi

[Portfolio](#) . [Email](#) . [Phone](#) . [GitHub](#) . [LinkedIn](#)

OBJECTIVES

Recent Computer Science graduate with Second Class Honors from Umm Al-Qura University. Led technical teams across university initiatives, developed AI-powered solutions, and delivered end-to-end digital platforms serving real users and organizational needs. Passionate about solving complex problems through analytical thinking, artificial intelligence, and technology while collaborating with diverse teams to create practical, high-impact solutions. Eager to contribute to organizations driving innovation, digital transformation, and sustainable growth.

EXPERIENCE

Dar Al-Hekma

IT Operations & Network Specialist (Co-op)

03/2025 – 08/2025 | Jeddah, Saudi Arabia

- Delivered technical support and resolved hardware, software, and network issues for students and university staff, ensuring efficient day-to-day IT operations.
- Deployed and configured operating systems, workstations, and university devices while maintaining system reliability and security.
- Performed hardware diagnostics, maintenance, and troubleshooting across multiple computing environments.
- Assisted in network installation, connectivity testing, and infrastructure support to ensure stable communication services.
- Collaborated with the IT Help Desk to prioritize and resolve technical incidents in a fast-paced environment.
- Supported secure IT asset lifecycle processes, including data sanitization and hardware decommissioning.
- Strengthened analytical problem-solving, stakeholder communication, and teamwork skills through hands-on operational experience.
- Analyzed technical issues, identified root causes, and implemented effective solutions while balancing multiple priorities and stakeholder needs.

PROJECTS

Wafeer — AI-Powered Utility Intelligence Platform

2026

Tuwaiq Academy / Google

- Developed an AI-powered platform that analyzes utility bills and consumption data to provide insights and recommendations for smarter resource usage.
- Built a data pipeline with Kafka and Delta Lake, including Bronze/Silver/Gold layers, data validation, and quality checks.
- Implemented a RAG-based Q&A feature using hybrid search and reranking to provide grounded answers from relevant documents.
- Technologies: Python, Kafka, PySpark, Delta Lake, Airflow, Great Expectations, OpenLineage, RAG, ChromaDB, React, Vite, Tailwind CSS

Trustify — AI-Powered Exam Monitoring Platform

08/2025 – 06/2026

- Led a five-member team in developing an AI-powered platform for intelligent exam monitoring and academic integrity.
- Implemented real-time face detection and eye tracking using OpenCV and MediaPipe.
- Contributed to database design and responsive web development.
- Technologies: Python, Flask, OpenCV, MediaPipe, Firebase, JavaScript, HTML, CSS

ZuZu — AI-Powered Bilingual Learning Platform

2026

The Ministry of Human Resources and Social Development / Kanz / Guinness

- Co-developed an AI-powered bilingual learning platform that delivers personalized lessons, stories, and interactive learning experiences for children.
- Integrated AI services for content generation, image generation, and voice-based interaction.
- Developed and presented the product during a large-scale AI hackathon and Guinness World Records initiative.
- Technologies: Next.js, React, PostgreSQL, Gemini, OpenAI, ElevenLabs, HeyGen

Wejha Camp — Registration & Management Ecosystem

04/2026 – 06/2026

- Led the technical development of interconnected platforms for participant registration, administration, agenda management, and event evaluation.
- Built data management workflows that enabled administrators to manage and export registration data efficiently.
- Technologies: Supabase, JavaScript, HTML, CSS, EmailJS

EDUCATION

Bachelor Computer Science

08/2022 – 06/2026 | Umm AlQura University

College of Engineering and Computer Science
Honors

MEMBERSHIP

King Saud University, Technical Development Lead

02/2026 – 06/2026

- Led the technical development team in designing and delivering digital solutions for student initiatives and university events.
- Coordinated project planning, task allocation, and collaboration to ensure timely project delivery.
- Worked closely with multidisciplinary teams to translate organizational requirements into practical digital solutions.

King Faisal University, Programming Committee Lead – Adeeb

04/2026 – Present

- Led programming initiatives and supervised the development of technical projects supporting club activities.
- Organized a technology bootcamp in Riyadh and coordinated technical sessions and development activities.
- Mentored team members and promoted collaboration throughout project execution.

Hash Plus, Ambassador

05/2026 – Present

- Represented Hash Plus in promoting technology awareness and community engagement initiatives.
- Participated in technology-focused events, workshops, and outreach activities.
- Contributed to fostering innovation and digital skills within the community.

National Program for Quality, Ambassadors

03/2026 – 06/2026

- Promoted quality culture through community and educational initiatives.
- Participated in awareness campaigns focused on continuous improvement and excellence.

Saudi Youth for Sustainability (SYS), Young Changemaker

03/2026 – 06/2026

- Promoted quality culture through community and educational initiatives.
- Participated in awareness campaigns focused on continuous improvement and excellence.

Umm Al-Qura University, Scientific Committee Member - Computer Club

02/2026 – 06/2026

- Assisted in organizing technical activities and knowledge-sharing sessions.
- Supported the planning and delivery of student-focused technology initiatives.

SKILLS

- Technical Skills:

 - **Programming:** Python, JavaScript, Java, C++, SQL, Swift
 - **Software Engineering:** Data Structures & Algorithms, OOP, MVC, RESTful APIs, HTTP, Authentication & Authorization, RBAC, Separation of Concerns
 - **AI & Computer Vision:** Artificial Intelligence, AI Agents, Computer Vision, OpenCV, MediaPipe
 - **Web Development:** React.js, Vue.js, Nuxt.js, Node.js, Flask, Laravel, .NET
 - **Databases & Infrastructure:** MySQL, PostgreSQL, Firebase, Supabase, Redis, Docker
 - **Engineering Practices:** Agile & Scrum, Git Workflow, Asynchronous Processing, Real-Time Communication
 - **Tools & Platforms:** Git/GitHub, Netlify, Cloudflare, EmailJ
- Soft Skills:

 - Communication skills.
 - Time Management.
 - Problem-Solving Skills.
 - Leadership.
 - Project Managment
 - Decision-making.
 - Public Speaking.
 - Logical Thinking
 - Adaptability

ACHIEVEMENTS

Guinness World Records™ — Record Holder	2026
• Recognized as one of 14,075 participants in the Guinness World Records™ event for the most users in an artificial intelligence video lesson, achieved by Kanz and the Ministry of Human Resources and Social Development, Saudi Arabia. • Recognized as one of 14,075 participants in the Guinness World Records™ event for the most users in an artificial intelligence video lesson, achieved by Kanz and the Ministry of Human Resources and Social Development, Saudi Arabia.	

CERTIFICATIONS

• McKinsey Forward — McKinsey & Company • Build an AI Agent — IBM • Elements of AI for Business — MinnaLearn • Project & Community Initiatives Management in the Nonprofit Sector — Misk Foundation	2026 2026 2026 2026
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LANGUAGES

Arabic - English.