Abdullah Al-Shobaki

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Education

Bachelor's Degree in Artificial Intelligence Engineering Bahçeşehir University — Jul 2026
Istanbul, Türkiye
Graduated with Honors

Skills

Programming
Python, SQL, Swift, C++

Machine Learning
PyTorch, TensorFlow, Keras, scikit-learn, Pandas, NumPy, MLflow

Computer Vision
OpenCV, YOLOv8, YOLOv11, ByteTrack, MediaPipe, Vision Transformers, CARLA

Generative AI & NLP
Large Language Models, RAG, Transformers, BERT, FAISS, AWS Bedrock, Prompt Engineering, Arabic NLP

Cloud & Engineering
FastAPI, Flask, Docker, Azure Machine Learning, AWS S3, Amazon Aurora, Terraform, Git

Experience

Scientific Research Team Lead — Saudi Developer Community (SDC), AI Committee — Oct 2026 – Present
• Lead scientific research operations for a 55-member team making current AI research accessible to Arabic-speaking audiences
• Manage monthly workflows targeting 15 research summaries, 4 technical threads, and 1 scientific digest
• Apply a 3-stage review process and 25-point performance rubric to maintain quality and track contributions, volunteer hours, and workflow bottlenecks

AI Trainee, Apple AI Foundation Program — Apple Developer Academy | Tuwaiq (Riyadh, Saudi Arabia) — Jul 2025 – Aug 2025
• Selected for the program's first cohort and collaborated with 4 teammates to develop Thalaja, an AI-enabled shared grocery platform tested by 10+ users
• Built offline-first shared lists with CloudKit Shares and a bilingual SwiftUI interface, validating permissions, conflict resolution, and synchronization across 3–4 devices
• Developed multimodal item capture using Gemini Vision, voice parsing, and barcode lookup, tested on 50+ images and 30+ voice commands

Projects

AI-Based Smart Traffic Management System — Oct 2025 – Jul 2026
• Built an adaptive traffic-control platform using YOLOv11, ByteTrack, CARLA, SUMO, FastAPI, and Next.js for vehicle tracking, traffic analytics, and signal control
• Fine-tuned YOLOv11m on 12,064 synthetic images, achieving 0.949 mAP50 and reducing simulated waiting time by up to 54% across 3 traffic-demand profiles

Marsad — SCAI AI League 2025 — Feb 2025 – Apr 2025
• Led development of a 7-module smart-stadium AI concept for crowd safety, fan engagement, and player analytics
• Implemented YOLOv8 crowd detection, MediaPipe pose estimation, and an Arabic fan-assistant chatbot, validating the system across 3 demo videos and 5 test scenarios

Wadeh — SDAIA ALLaM Challenge 2024 — Aug 2024 – Oct 2024
• Selected from 200+ submitted ideas to build an Arabic grammar-analysis and i'rab application with a right-to-left Flask interface
• Developed an ALLaM analysis workflow using IBM watsonx and validated it on 120+ sentences covering 25–30 Arabic grammar structures

Certifications & Professional Registration

AWS Certified AI Practitioner (AIF-C01)
Amazon Web Services

SDAIA AI Engineer Badge
Saudi Data and AI Authority (SDAIA)

GitHub Certified: Agentic AI Developer (GH-600) — Nov 2026
GitHub

GitHub Copilot (GH-300) — Oct 2026
Microsoft

Registered AI Specialist — Sep 2026 – Sep 2029
Saudi Council of Engineers (SCE)

Awards

Second Place, Case C — KPMG × Tuwaiq Study Case Challenge — Nov 2026
Selected from 1,200+ applicants across 30+ universities

AWS AI & ML Scholar — Oct 2025
Amazon Web Services (AWS) & Accenture
Top 1,500 global participants; completed the Future AWS AI Engineer Nanodegree with the Early Graduate Badge