

Abdullah AlShobaki

Riyadh, Saudi Arabia · abdullah.hani2004@icloud.com · +966570704231 · in/abdualahs · github.com/3bdulah

SUMMARY

AI Engineer specializing in machine learning, deep learning, computer vision, NLP, generative AI, and multimodal AI. Experienced in building, training, and deploying models using TensorFlow, PyTorch, YOLOv8, BERT, ViT, and Core ML, with additional strength in Python and Swift for on-device and cloud-based AI systems. Skilled in model optimization, data pipelines, evaluation, and end-to-end deployment across research and applied environments.

EXPERIENCE

AI Trainee – Apple AI Foundation Program

Apple Developer Academy | Twaiq

July 2025 – August 2025

- Developed "**Thalaja**," an AI-enabled shared grocery platform used by **10+ early users**, enabling unified family lists, preventing duplicate entries, and reducing item miscommunication across households.
- Built real-time multi-user collaboration using **CloudKit Shares** with offline-first sync, verified across 3–4 devices simultaneously, plus App Intents and push notifications for seamless list updates.
- Delivered full bilingual Arabic/English support with validated RTL UI behavior across 20+ interface components, ensuring HIG-compliant design for both languages.
- Built an AI Capture pipeline combining **Gemini Vision** for image-based item recognition, natural-language voice parsing, and barcode lookup via OpenFoodFacts — tested across 50+ grocery images and 30+ voice commands.
- Shipped the app end-to-end in **Swift/SwiftUI** with Sign in with Apple and **Supabase** authentication, releasing through **TestFlight** with initial testers onboarded.

AI Developer & Team Lead — Marsad, SCAI AI League 2025 (Hackathon)

SCAI (Saudi Company for Artificial Intelligence)

February 2025 – April 2025

- Developed "**Marsad**," an AI platform for real-time crowd safety, fan engagement, and player analytics, built and validated across 3 demo videos and 5 core test scenarios.
- Built **YOLOv8**-based crowd detection, **MediaPipe** pose estimation, and an Arabic fan assistant chatbot as part of a 7-module modular system.
- Delivered a complete open-source system on **GitHub** with 4 demo exports and 10+ model iteration cycles, aligned with Saudi Vision 2030 and FIFA 2034 goals.

AI Engineer — Wadeh, SDAIA ALLaM Challenge 2024 (Hackathon)

SDAIA (Saudi Data and Artificial Intelligence Authority)

August 2024 – October 2024

- Developed "**Wadeh**," an AI tool for automated Arabic grammar analysis using the **ALLaM** model, selected from **200+ submitted ideas** in the competition.
- Fine-tuned ALLaM through 8–12 iterative improvement cycles on **Watsonx**, improving output clarity and reducing errors across test samples.
- Validated the system across 100+ evaluation examples and 120+ Arabic sentences spanning 25–30 core grammar structures, confirming rule consistency, stability, and output correctness.

EDUCATION

Bachelor of Engineering and Natural Sciences / Artificial Intelligence Engineering

Bahçeşehir University · Istanbul, Turkey · 2026

High School Diploma

Horizon International School · Riyadh, Saudi Arabia · 2022

CERTIFICATIONS

IBM AI Engineering

Future AWS AI Engineer Nanodegree Program - Udacity (AWS AI & ML Scholars)

IBM Deep Learning with PyTorch, Keras and Tensorflow Specialization

IBM Machine Learning Specialization

Data Science and AI Track - Twaiq Academy

Virtual Work Experience - Data Science and AI, Microsoft

Virtual Work Experience – Data Analysis, STC

IBM Data Science Specialization

SKILLS

Programming Languages: Python, Swift, SwiftUI, C++, R, SQL

Machine Learning & Deep Learning: TensorFlow, PyTorch, Keras, Scikit-learn, Core ML, Create ML, supervised learning, unsupervised learning, reinforcement learning, model training, tuning, evaluation, deployment

Computer Vision: OpenCV, YOLOv8, MediaPipe, Vision Transformers (ViT), real-time image/video processing, Gemini Vision API

Natural Language Processing: Transformers, BERT, DistilBERT, Arabic NLP, chatbot development, text classification, Gemini NLP

Generative AI & LLMs: AWS Bedrock, Retrieval-Augmented Generation (RAG), prompt engineering, responsible AI workflows

Data Science & Analytics: Pandas, NumPy, Matplotlib, Seaborn, data cleaning, preprocessing, EDA, feature engineering, Power BI

Cloud, Backend & Mobile Integration: CloudKit, Azure, Supabase, REST APIs, App Intents, iOS app development, on-device ML optimization

Mathematics for AI: linear algebra, probability, statistics

Tools & Design: Git/GitHub, Docker, Kubernetes, Figma, Apple Human Interface Guidelines