Abdulaziz A. Althabit

AI ENGINEER I build ML systems, measure where they break for real users, and design the fix.

317 → 65
tokens per correct answer
Halala on ALLaM

0.972
AUC, skin lesion CNN
~25K images

~2M
URLs behind my
phishing classifier

01 PROJECTS

Halala هللة Creator — OCT 2026

Future AI Builders Hackathon (Misk × HUMAIN), Challenge 2: Deliver AI with Less Compute

- Found that a correct answer from ALLaM, HUMAIN's Arabic LLM, cost 317 tokens in Arabizi vs. ~50 in English, and named the gap the **Dialect Tax**.
- Built a dictionary rewrite layer that turns Arabizi into Arabic script before the model reads it: no second model, zero model tokens, ~0.04 s per query.
- On held-out questions, cut cost per correct answer from **317 to 65 tokens** and model time from **8.1× to 1.5×** English, with no accuracy loss on other forms.

Malicious URL Classifier Faculty-recognized — DEC 2025

- Built a real-time phishing classifier on **~2M URLs**: engineered features, compared Logistic Regression, K-Means and XGBoost, and scored each URL 0 to 100 for risk.

Skin Lesion Classification Deep learning — COURSEWORK

- Fine-tuned ResNet and EfficientNet on ~25K ISIC 2019 images across 8 classes; ResNet-50 reached **0.972 AUC** and 82.2% accuracy.
- Ran ablations on pretraining, class-imbalance sampling, learning rate and optimizer.

Schoolhouse Ghana Project Lead, Global TIES — 2025 – 2026

- Solo lead on an offline learning platform for Semanhyia American School, customizing open-source Kolibri for a low-connectivity classroom.
- Ran the Python/Node migration, loaded **861 content items**, rebranded the platform, and wrote the teacher guide.

02 EXPERIENCE

MiSK Foundation Programs Coordinator Intern — JUL – SEP 2024

- Called back for a second internship with expanded scope: budget tracking and event coordination for the Traineeships program (**$400K** budget).
- Used attendance and spending data to plan a two-day closing ceremony for 200 industry partners and 400 beneficiaries.

UCSD Center for Operational Excellence — MAR – JUL 2024

Web Development & Data Analysis Intern

- Analyzed Kuali data covering **40,000+ faculty and 42,000+ students** with Lean Six Sigma; presented improvement proposals to the Chancellor.
- Built and maintained the center's sites end to end (CMS, HTML staging) and launched 3 department sites.

MiSK Foundation Marketing & Communications Intern — JUN – SEP 2023

- Redesigned the website, interface and social strategy for "Misk: Career Essentials," using engagement data to reach English speakers.

عبدالعزيز الثابت

CONTACT

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EDUCATION

UC San Diego
2022 – 2026

B.S. Cognitive Science, Machine Learning & Neural Computation. Minor in Design.

Honors
Provost Honors, Changemaker Scholar, Global TIES Honors

Leadership
Social Director, ACM Cyber (nationwide CTF competitions). Board Member, Saudi Student Association.

SKILLS

Machine learning
PyTorch, scikit-learn, XGBoost, pandas, NumPy, CNNs, RNNs, transfer learning, feature engineering

LLMs & NLP
LLM evaluation, inference cost analysis, held-out test design, Arabic dialect NLP, transliteration

Engineering
Python, JavaScript (Node.js), Java, C, Bash, Linux, HTML/CSS

Security
Penetration testing, CTFs, phishing detection

Design
UX research, UI & web, branding, typography, print, video

Languages
Arabic (native), English (fluent)