

AHMED SAEED AL YAZID

Artificial Intelligence | Machine Learning | Data Science | Computer Vision

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PROFILE

Artificial Intelligence graduate from Umm Al-Qura University (GPA 3.37/4.00). Experience includes a team-based comparative computer-vision study and a deployed Arabic educational supervision platform. Works with Python, model evaluation, data analysis, and cloud deployment.

EDUCATION

B.Sc. Artificial Intelligence | Umm Al-Qura University, College of Computing | 2022-2026 | GPA 3.37/4.00

SELECTED WORK

Educational Supervision Platform | Production platform, 2026

- Built and deployed Arabic RTL workflows for supervision visits, structured records, dashboards, reporting, access control, and document exports.
- Cloudflare Pages and Workers, Cloudflare D1, Better Auth, and Backblaze B2. Live: almarefah-supervision.pages.dev

Comparative Deep-Learning Research for Glaucoma Classification | Team graduation project, 2025-2026

- Controlled comparison of six conditions on 4,828 synthetic retinal fundus images with stratified 3-fold cross-validation.
- ViT-Small and ResNet-18 feature extraction and fine-tuning; KAN-Transformer and MLP-Transformer trained from scratch. Best reported ResNet18-FT: accuracy 0.963, AUC-ROC 0.996.
- Python and PyTorch; calibration, bootstrap confidence intervals, peripheral-occlusion diagnostics, and Attention Rollout.

Academic machine-learning projects

- Multi-class animal image classification with a TensorFlow/Keras CNN and augmentation.
- Diamond price regression from length, width, and depth with scikit-learn; evaluated with MAE, RMSE, and R-squared.
- Obesity-risk classification with one Gaussian Naive Bayes model on selected features and a classification report.

TECHNICAL SKILLS

Languages & data: Python, SQL, Java, Pandas, NumPy, Matplotlib

Machine learning: PyTorch, TensorFlow/Keras, scikit-learn, CNNs, Vision Transformers, ResNet, transfer learning

Evaluation: cross-validation, AUC-ROC, calibration, bootstrap confidence intervals, explainability

Cloud: Cloudflare Pages, Workers, D1, Better Auth, Backblaze B2

CERTIFICATIONS & LANGUAGES

Introduction to Artificial Intelligence and Digital Skills in Artificial Intelligence (Edraak, 2022) | Arabic: native | English: professional working proficiency