

Rakan Tahineh

Python Developer & Machine Learning Developer

tahainahrakan@gmail.com | github.com/tahainahrakan | YouTube: @roadtoai_official

PROFILE

Self-taught Python developer building machine learning systems and AI applications — from data preprocessing and model training through to production deployment. My goal is to pursue advanced studies in Artificial Intelligence and contribute to the development of practical AI systems that solve real-world challenges.

EDUCATION & CERTIFICATIONS

- **Grade 12 Student**, Al Shola American School (UAE) — Grade 11 average **98.08% (A+, GPA 4.0)**; expected graduation 2027
- **Supervised Machine Learning: Regression and Classification** — DeepLearning.AI & Stanford University via Coursera (2026)
- **Python Programming** — Certified • **Django Web Framework** — Certified

TECHNICAL SKILLS

ML / AI	Scikit-learn, XGBoost, RAG / retrieval systems, TensorFlow (learning)
Languages	Python, JavaScript, SQL
Web / Backend	Django, Flask, PostgreSQL, Stripe, HTML/CSS
Data Tools	Pandas, NumPy, Matplotlib, Jupyter
Other	Git/GitHub, Docker, web scraping, testing, model deployment

PROJECTS

Gaddum — Modern Essentials

Django, PostgreSQL, Stripe, Docker, Gemini API — live at gaddum.store

- Full e-commerce platform behind my own UAE t-shirt brand, designed and deployed end to end: catalog and search, cart, promo codes, Stripe checkout, order tracking, customer accounts, and an admin dashboard.
- RAG shopping assistant answers only from a purpose-built index of the shop's own content via PostgreSQL full-text search, and says so when the answer isn't there.
- Privacy by construction: order lookups bound to the signed-in customer server-side; stock counts and promo codes never indexed. Inventory claimed under row-level locking to prevent overselling.
- 278 automated tests, weighted toward inventory and payments.

UFC Fight Outcome Predictor

Python, Flask, Scikit-learn, XGBoost — github.com/tahainahrakan/ufc-fight-outcome-prediction — live demo: ufc-fight-predictor-osdb.onrender.com

- End-to-end ML system predicting win probability, betting odds and finish method for any hypothetical matchup across 2,700+ fighters.
- Calibrated Logistic Regression matches XGBoost at the honest ~62% accuracy ceiling; leakage-audited point-in-time features including a custom Elo rating.
- Fully automated: a weekly GitHub Action scrapes new fights, retrains, and redeploys the live Flask app.

UAE Car Price Predictor

Python, Flask, Scikit-learn, Pandas — github.com/tahainahrakan/uae-car-price-prediction

- ML web app estimating UAE used-car prices from brand, model, year, mileage and engine size.
- Linear Regression and Random Forest blended into a weighted ensemble (MAE ~39,700 AED); trained on 7,200+ listings across 100 brands and 716 models.

INITIATIVES & CURRENT LEARNING

- **AI Club** — founding an AI club at school to introduce peers to machine learning (launching Grade 12).
- **Road to AI** — founder of a YouTube channel on machine learning and AI.
- **Machine Learning Specialization**, Coursera — in progress (first course completed).
- **Learning**: TensorFlow, Deep Learning, Neural Networks.