



MHD ZAID AL NAHHAS

AI DEVELOPER & INFORMATICS ENGINEER

PROFILE

Meticulous Informatics Engineer specialized in Artificial Intelligence. Proven ability to deliver complex AI systems, from recommendation engines to multi-agent frameworks. Concurrently pursuing degrees in IT and Business to bridge the gap between engineering and commercial strategy.

PROFESSIONAL EXPERIENCE

AI Engineering Intern

Sep 2025 - Jan 2026

beno.com (UAE - Remote)

Automated Lead Generation Pipeline (n8n & Python)

Role: Automation Engineer Intern | Stack: n8n, Python, Reddit/X API, Hub-and-Spoke

- Hub-and-Spoke Architecture:** Designed a platform-agnostic system enabling "plug-and-play" integration of new social sources without modifying core logic.
- Modular API Development:** Built robust adapters for social media APIs (e.g., Reddit, X) to automate lead capture and user interaction.
- State Management:** Orchestrated complex workflows to synchronize distributed data, ensuring zero data loss and high integrity.

Multi-Agent Marketing System (AutoGen & Python)

Role: AI Agent Developer | Stack: Python, AutoGen, Gemini, Planner/Renderer

- End-to-End Automation:** Engineered an autonomous AI system handling the full marketing lifecycle, from strategic planning to final asset production.
- Agent Orchestration:** Architected a multi-agent environment where specialized agents independently debate strategy and execute cross-functional tasks.
- Planner/Renderer Pattern:** Implemented a decoupled architecture separating strategic logic from execution to optimize high-fidelity asset generation.
- LLM Integration:** Integrated advanced LLMs to drive autonomous agent reasoning for complex market research and content creation.

ACADEMIC & PERSONAL PROJECTS

TrustAsset: AI-Powered Real Estate & Vehicle Marketplace

Feb 2025 - June 2025

AI Developer (RecSys) | Code: [Property RecSys](#) • [Vehicle RecSys](#)

Core AI Engineering: Engineered recommendation engines for a dual-vertical marketplace, solving "cold start" and data sparsity using Deep Learning and Hybrid Filtering.

- Deep Learning Property RecSys:** Trained a Deep Learning Autoencoder on 300k+ listings to generate "Property DNA" embeddings for visual similarity recommendations.
- Hybrid Vehicle RecSys:** Combined k-NN with content-based filtering to mitigate data sparsity, ensuring accurate suggestions with limited interaction data.
- High-Performance API:** Built a low-latency FastAPI backend with similarity caching to provide instant recommendations for new users.

SQLMentor: AI-Powered SQL Learning Platform

Oct 2024 - Feb 2025

Junior Project | Code: [GitHub Repository](#)

- Led front-end development using Next.js to build a responsive UI for AI-driven education.
- Designed core learning pages and gamified profiles to simplify complex SQL concepts and drive engagement.

CONTACT

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Damascus, Syria

EDUCATION

Arab International University

2021 - 2025

BS in Informatics Engineering (AI)

Relevant Coursework: ML, Deep Learning, Computer Vision, DB Systems.

GPA: 3.06/4.0

Syrian Virtual University

2021 - Present

BS in Information Technology

Concurrent studies, currently in the third year of a five-year program.

University of the People

2023 - Present

BS in Business Administration

Concurrent studies to develop comprehensive business acumen.

TECHNICAL SKILLS

LANGUAGES

Python, JavaScript, TypeScript, SQL, C++, Java, C#

AI & GENAI

TensorFlow, Keras, Scikit-learn, Generative AI, LLMs, RAG, Multi-Agent Systems, NLP, Computer Vision, Hugging Face Transformers, Recommender Systems

WEB

Next.js, React, FastAPI, Flask, Tailwind CSS

TOOLS & MLOPS

Docker, Git, GitHub Actions (CI/CD), MLOps, Vector Databases (ChromaDB), REST APIs, Taiga, n8n, apify, AutoGen

LANGUAGES

Arabic Native
English Professional

CERTIFICATIONS

Meta Front-End Dev

Coursera (6/9 Courses Completed)

Cert. in Marketing

UoPeople | Apr 2025

Front-End Track

1M Arab Coders & Udacity | 2020