



ALAADIN AL-YNAEY

AI Specialist | Data Engineer | Data Analytics | Mathematics Teacher

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Summary

AI Specialist and Data Engineer with experience building intelligent systems using Machine Learning, NLP, and Retrieval-Augmented Generation (RAG). Skilled in developing AI-driven applications, automation pipelines, and AI agents that improve decision-making and streamline workflows. Proficient in Python, LLMs, and frameworks like LangChain, with hands-on experience in chatbots, data systems, and AI agents solutions. Strong background in data engineering and analytics, transforming complex data into actionable insights. Passionate about advancing AI, automation, and real-world intelligent systems.

Education

International university of Technology Twintech (Yemen)	2022 - 2026
Bachelor's Degree in AI & Data Science <ul style="list-style-type: none">Ranked 1st in the cohort, maintaining top academic performance in AI & Data Science.Served as Class Representative, acting as the primary liaison between students and faculty.Represented the university in academic and extracurricular activities.Delivered peer-to-peer training sessions in AI, Data Science, and programming.Founded and led CyberAI Club, a multidisciplinary student organization focused on AI and technology.Served as Head of Graduation Ceremony Committee, leading planning and execution.	
A2Z English School	2019 - 2021
English Language Studies <ul style="list-style-type: none">Ranked 1st consistently throughout the program.Achieved a perfect score (100%) in writing, the first student to do so.Won multiple English debate competitions.	
Jamal Abdel Nasser High School for Top Students in Yemen	2015 - 2018
High School <ul style="list-style-type: none">Ranked among the top students in Mathematics.Served as a Student Council Member.Appointed Activities Coordinator, organizing school programs and events.Led the Media Committee for the graduation ceremony.	

Experience

Mesbah	Yemen
Founder & CEO <ul style="list-style-type: none">Found and led the development of first Arabian AI-driven automation platform focused on intelligent agents and no-code system building.Led and managed a cross-functional team of 15 members, coordinating development, product vision, and execution.Designed a unified automation ecosystem integrating workflows, AI agents, databases, and event-driven systems into a single platform.Built core system architecture including automation engine, visual workflow builder, and agent-based execution model.Developed an intelligent goal-based system that translates user intent into fully automated workflows using AI.Defined product strategy and roadmap to position the platform as a leading solution in the Arab region with global scalability.Targeted multiple user segments including developers, businesses, and non-technical users through adaptive system design.	2026 - Present
DeepSafer Company	Yemen
AI Specialist <ul style="list-style-type: none">Designed and deployed AI-driven cybersecurity solutions, including XDR systems for real-time threat detection and response.Built advanced Retrieval-Augmented Generation (RAG) pipelines for large-scale data processing, search, and analytics.Developed AI-powered automation workflows and intelligent agents to streamline security operations and decision-making.Applied Machine Learning, NLP, and LLMs to extract actionable insights from data.	2025 - Present

Experience

AI Approach Company

AI Trainer & AI Projects Developer

- Delivered hands-on training in AI, Machine Learning, LLMs, and AI Agents to students and professionals.
- Designed and implemented real-world AI systems, including RAG applications, chatbots, and automation pipelines.
- Led workshops on AI automation tools and multi-agent systems for intelligent workflow orchestration.
- Mentored 500+ learners, simplifying complex AI concepts into practical applications.

Yemen
2025 - Present

International University of Technology Twintech

Teaching Assistant – Artificial Intelligence & Data Science

- Assisted in teaching Artificial Intelligence, Machine Learning (ML), Deep Learning (DL), and Natural Language Processing (NLP) courses.
- Supported students in understanding core concepts, algorithms, and real-world AI applications.
- Conducted practical sessions on Python, model development, and data analysis.
- Guided students in AI projects, including model training, evaluation, and deployment.

Yemen
2026 - Present

Al-Nasser University

Teaching Assistant – Deep Learning & AI Applications

- Improved understanding of Deep Learning concepts for students by instructing on CNNs and neural architectures.
- Helped students develop AI-based applications and experimental models.
- Assisted in evaluating projects and improving model performance.
- Facilitated hands-on learning through real-world AI use cases.

Yemen
2026 - Present

Ar-Rasheed Modern School + Future Leaders School + Rawabi Haddah Scschool

Mathematics Teacher

- Taught mathematics to middle and high school students, emphasizing analytical thinking and problem-solving.
- Designed structured curricula to improve conceptual understanding and academic performance.

Yemen
2023

Office of Technical Education and Vocational Training

Human Resources Specialist

- Supported HR operations, data management, and reporting processes.
- Enhanced administrative workflows, resulting in a 40% increase in organizational efficiency.

Yemen
2021

International Trachoma Initiative | Tropical Data

Medical Data Recorder

- Improved health outcomes by covering 2 regions in national Trachoma surveys, increasing data accuracy by 90%.
- Ensured data accuracy, validation, and reporting across multiple regions.
- Maintained accuracy and validated data for over 2500 health records, improving report reliability.
- Collected data for national health surveys on Trachoma across 2 regions, ensuring comprehensive field coverage.

Tanzania
2019

Technical Skills

Programming Languages: Python · Java · C++ · JavaScript · PHP · Dart · Assembly

AI & Machine Learning: Machine Learning · Deep Learning · Searching Algorithms · AI Algorithms · NLP · LLM · TensorFlow · PyTorch · CV · RAG

Data & Analytics: Data Science · Data Mining · Big Data · ETL · Mathematics · Statistics · Calculus

Databases: SQL · PostgreSQL · MySQL · MongoDB · Firebase · Oracle · PL/SQL · Elasticsearch

Web & Frameworks: React · Flask · REST API · Next.js · Langchain

Tools & Cloud: AWS · Git · Docker · Airflow · Oracle Apex · Flutter

Automation Tools: n8n · Zapier · Make · Dify · Weavy · Orange

Game Development: Unity · Unreal Engine · Godot

Soft Skills

Leadership



Communication



Time Management



Soft Skills

Teamwork



Problem Solving



Work Under Pressure









Languages

Arabic Native ●●●●●

English Proficient ●●●●●

France Beginner ●●●●●

Achievements

-  **Founder of Mesbah**
2026
The first arabic AI-driven automation platform & company focused on intelligent agents, currently under development with a team of 15 members, aiming to become a leading solution in the Arab region.
-  **Graduation Project (Top Ranked)**
2026
Selected among the top university projects and shortlisted for best project; developed a multi-agent AI medical platform with proprietary dataset and high-performing models (90%+ accuracy), with outcomes published as a research journal.
-  **Founder of CyberAI Club.**
2025
Established a student-led initiative focused on artificial intelligence and cybersecurity, organizing workshops, expert sessions, and collaborative projects to bridge academic knowledge with real-world applications.
-  **Leader of AWS Cloud Club**
2024
Led cloud computing initiatives by organizing workshops, guiding students in AWS technologies, and building a community interested in modern cloud solutions.
-  **Developing a mathematics law in calculus**
2022
Developed a novel theorem focused on the differentiation of root functions, validated through rigorous analysis, formal proofs, and extensive testing.
-  **Yemens Top Students**
2018
Recognized among top students in Yemen and ranked among the top achievers in Sana'a in the national High school exams.

Courses

- Creative Writing Course – Sana'a University** 2017
 - Developed strong writing and storytelling skills, with a focus on structuring ideas, clarity of expression, and effective communication for different audiences.
- First Aid Course – Yemen Red Crescent Society** 2018
 - Completed foundational training in first aid and emergency response, including CPR, bleeding control, fracture management, and basic life support. Developed the ability to assess emergency situations and provide immediate care effectively.
- First Aid Course – University of Science and Technology** 2019
 - Undertook additional training in first aid practices with a focus on practical application, improving emergency response skills and the ability to handle real-life medical situations with confidence.
- Intravenous (IV) Solutions Course – University of Science and Technology** 2019
 - Gained knowledge and hands-on experience in intravenous therapy, including fluid administration, IV line setup, and safe handling of medical equipment in clinical scenarios.
- Basic French Language Course – Approach Institute** 2021
 - Acquired foundational skills in the French language, including basic vocabulary, grammar, and everyday communication.
- Research and Studies Course – Al-Hamdi Foundation** 2022
 - Learned research methodologies, data analysis, and academic writing, enhancing the ability to conduct structured studies and produce well-organized research outputs.
- Claude – Anthropic Academy** 2026
 - Courses by Anthropic covering AI fundamentals, prompt engineering, Claude usage, API integration, and building advanced AI agents and applications

Volunteering

Ghaith

Farhat Eid

A wonderful volunteering experience where we shared a joy in the community during Eid

2021

Jamal Abdel Nasser High School

Leading Graduation Carmony

Participating in the graduation ceremony preparations.

2020

REASON Organization

Building a Youth Support Platform

Building online platform to support and empower youth

2019

Alnaseer Institute

Teaching Mathematics

Teaching Mathematics for free

2019

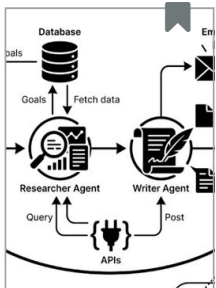
Al-AminShcool

Experience in Teaching Mathematics

Teaching Mathematics for free

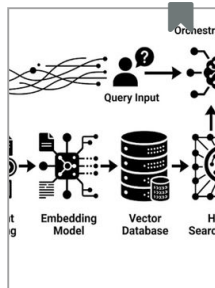
2018

Blogs I Write



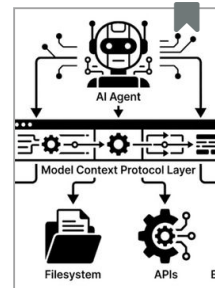
AI Automation and Multi-Agent Systems: Transforming How the World Works

<https://alaadin-alynaey.site/blog/ai-automations-agents>



The Definitive Guide to RAG Systems: Bridging Knowledge and Generation

<https://alaadin-alynaey.site/blog/rag-evolution-2026>



The Model Context Protocol (MCP): Standardizing AI Integrations

<https://alaadin-alynaey.site/blog/mcp-architecture-guide>

Certificates

✓ Secondary School Final Examination Result – Scientific Section

Republic of Yemen – Ministry of Education

✓ Training of Trainers (TOT) Certificate

MCC Center

✓ Certificate of Appreciation

Education Office / School Administration (Yemen)

✓ Certificate of Participation

Yemen Red Crescent Society + A2Z Institute

✓ Certificate of Participation – Arabic Language Program

College of Education – Sana'a University

✓ Certificate of Appreciation

Typical Future Leaders School – Ministry of Education

✓ Training Workshop Certificate – Automation & AI Agents

AI Approach Club

✓ Great Debater Certificate

A2Z School of English

✓ Certificate of Attendance – Primary Medical Skills Course

University of Science and Technology (UST)

✓ Certificate of Excellence / Academic Excellence Certificate

Jamal Abdulnasser High School

✓ Certificate of Achievement – English Course Level 3A

A2Z School of English – Sana'a

✓ Work / Experience Letter (Digital Transformation Project)

DeepSafere Company

✓ Certificate of Achievement – French Course Niveau 1

Approach Language Institute

✓ Training Course Certificate – Humanitarian Response

International University of Technology Twintech & Al-Hamdi Foundation for Humanitarian Development

✓ SPE Membership

SPE International

Courses I Trained

Retrieval-Augmented Generation (RAG) Course

IUTT

Delivered hands-on training on building RAG systems, combining LLMs with external data sources for accurate responses.

MCP (Model Context Protocol) Workshop

AI Approach

Trained students on building and integrating MCP servers to enable structured communication between AI systems and external tools.

AI Agents Learning Path (3 Levels)

AI Approach

Designed and delivered a comprehensive multi-level program covering fundamentals to advanced concepts in AI agents.

AI Automation & Agents Bootcamp

AI Approach

Delivered a full bootcamp covering end-to-end development of AI automation systems and intelligent agents.

AI Automation & Intelligent Agents Course

IUTT

Delivered academic-level training on AI automation and intelligent agent systems, combining theory with practical implementation.

AI & Automation Training Program

Nama'a Foundation

Conducted training sessions on AI and automation concepts, focusing on real-world applications and skill development.

Projects

1- DermAI – My Graduation Project

https://github.com/AladdinAlynaey/DermAI_Private

2026

LLM-Based & Image-Powered Healthcare System for Dermatological Diseases with comprehensive diagnosis support.

2- Lisan

<https://github.com/AladdinAlynaey/lisan>

2026

AI-Powered Arabic Grammar, spelling, and vocabulary learning platform with exercises.

3- Alaadin Academy

2026

Agentic online learning platform offering structured courses, learning paths, and skill development programs. (Private repository – contact me to contribute.)

4- HTTP Playground

<https://github.com/AladdinAlynaey/http-testing>

2026

Production-grade educational API training platform for learning HTTP methods and REST.

5- AI Content Scenario Generator

2026

Generates full content pipeline (script → voice → scenes → video).

6- AI Trends Intelligence

<https://github.com/AladdinAlynaey/ai-trends-intelligence>

2026

AI Trends Intelligence Platform – Track, analyze, and publish global AI trends with 80+ RSS feeds and multi-agent AI system

7- Taskora

https://github.com/AladdinAlynaey/taskora_private

2025

Taskora – Enterprise Project Management System with AI Assistant, Multi-Workspace, Real-Time Collaboration, and Kanban/Scrum Boards

8- Smart Web Scraping Pipeline

2025

LLM-powered content extraction pipeline with intelligent checkpointing and error recovery.

Projects

9- AI-Powered University Platform https://github.com/AladdinAlynaey/uniwebsite_private Antigenic educational platform with AI tutoring.	2026
10- AI Query Builder Schema-aware natural language interface for database queries with intelligent SQL generation.	2025
11- AI Medicine Information App AI-powered medicine information with image recognition and interactive conversational chat.	2025
12- Story & Coloring Book Generator Generates personalized story and coloring books for kids using their photos and a description.	2025
13- ID AI Photo Generator Transform selfie into professional ID photo with suits, backgrounds, and enhancements.	2025
14- Smart E-Commerce Application Advanced AI-supported e-commerce platform following modern architecture and standards.	2025
15- Smart Search Engine AI-powered search engine with semantic search and intelligent ranking.	2025
16- Restaurant Menu Image Generator Generates standardized images for all menu items from a restaurant menu.	2025
17- Student Assignment Grading Telegram Agent Students submit assignments via Telegram, AI agent grades and fills marks automatically.	2025
18- Student Grades & News Notification Agent Tracks grades and news and sends notifications to students via Telegram.	2025
19- Security Assistant Local LLM-powered system analysis and command automation tool.	2025
20- DocsPodcast: AI Document to Podcast https://github.com/AladdinAlynaey/podcastapp Transform documents into AI-powered multi-speaker podcasts or chat with your files using intelligent Q&A.	2025
21- MCP Office Control Framework Model Context Protocol for AI-powered control of Microsoft Office suite applications.	2025
22- Global Legal Inquiry System AI-powered legal information system for global law queries.	2025
23- Automated Exam Generator Automated exam generation system from educational files.	2025
24- Boycott Assistant App Image-based product recognition with localized alternatives.	2025
25- Image Generation System Image generation and in-place editing system using AI.	2025
26- Smart Music Manager Intelligent music management application with advanced features.	2025

Projects

27- Offline Chatbot	2025
Offline chatbot using local models from Ollama.	
28- Floating AI Support Tool	2025
Floating AI support tool with RAG capabilities for websites.	
29- AI Approach Chat	2025
https://github.com/AIApproach/AI-Approach-Chat	
Intuitive AI assistant for interacting with files through natural language conversations.	
30- CyberMind: AI Cybersecurity Assistant	2025
AI-powered cybersecurity assistant with global integration for threat intelligence and advanced analysis.	
31- RAG System for Document Q&A	2025
Retrieval-Augmented Generation system for intelligent document question answering with semantic search.	
32- ETL Pipeline for Firewall Logs	2025
Comprehensive ETL pipeline using APIs, MongoDB, PostgreSQL, and Apache Airflow for log analytics.	
33- ChefAI Recipe Recommendation	2025
Ingredient recognition and personalized recipe recommendation using computer vision.	
34- Video Game Sales Analysis	2024
Linear regression model for video game sales analysis with interactive web application dashboard.	
35- Hand Tracking Controller	2024
Control computer brightness & volume using hand gestures with Streamlit interface.	
36- Football Teams Management	2024
Complete football teams management system built with Oracle Apex.	
37- Real-Time Emotion Detection	2024
Real-time emotion detection using CNN model integrated with web application for analysis.	
38- Anime Recommendation System	2024
Anime recommendation based on similarity analysis.	
39- AI Telegram Bot	2024
Telegram bot with local Ollama model for real-time chat.	
40- Debt Management System	2024
Comprehensive debt management and tracking system.	
41- Smart Snake Game	2023
Python snake game with AI autocomplete and adaptive difficulty.	
42- A* Pathfinding	2023
Pathfinding with A* algorithm to avoid obstacles and reach goal.	
43- AI Dinosaur Game	2023
Dinosaur game using genetic algorithm to learn how to play.	

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