

Rahma Ashraf AlShafi'i

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Summary

Recent graduate with a strong foundation in artificial intelligence and a passion for developing innovative, production-ready solutions. Proficient in employing the latest technologies, including machine learning, natural language processing, and computer vision, to create scalable applications. Committed to transforming complex AI concepts into practical, real-world applications that enhance operational efficiency. Eager to contribute to dynamic teams and drive success through cutting-edge AI initiatives.

Education

Bachelor of Computer Science in Artificial Intelligence

Sep 2021 – Jul 2025

Benha University, Egypt

GPA: 3.6/4.0

Skills

Artificial Intelligence: Machine Learning, Deep Learning, Natural Language Processing (NLP), Computer Vision, Large Language Models (LLMs), Retrieval-Augmented Generation (RAG), Generative AI

Programming & Frameworks: Python, C++, TensorFlow, PyTorch, Scikit-learn, YOLO, OpenCV, LangChain, LangGraph

Backend Development & Tools: FastAPI, Flask, Docker, RESTful APIs, Git, Prompt Engineering

Data Management & Analysis: Data Analysis, Data Manipulation & Visualization, SQL Database

Projects

Automated CV Filtration System

Python, NLP, Flan-T5

- Developed intelligent resume screening for bias-free shortlisting.
- Reduced manual screening time by **60%** and minimized bias by **40%**.
- Demo:* <https://huggingface.co/spaces/Rahma07/ATS>

Job Recommendation Engine

Scikit-learn, Logistic Regression

- Built ranking system matching candidates with jobs using ML techniques.
- Improved applicant-job match accuracy by **65%**.

AI Question Generation System

API Integration, LLaMA 3

- Integrated Groq API for role-specific technical interview questions.
- Reduced preparation time by **95%**.

Answer Evaluation System

NLP, SentenceTransformer

- Evaluator analyzing answers on keyword, conceptual, and semantic levels.
- Delivered bias-reduced evaluations with clearer feedback.

Non-Verbal Communication Assessment

MediaPipe, OpenCV

- Real-time analysis of head pose, posture, and gaze during interviews.
- Improved engagement accuracy by **40%**.

Professional Experience & Certifications

Artificial Intelligence Certification

Aug 2024 – Sep 2024

Information Technology Institute (ITI) — 72-hour intensive AI training.

Certificate: [Verification Link](#)

Computer Vision Certification

Oct 2024

Kaggle Learn — Image processing, feature extraction, and deep learning for recognition.

Certificate: [Verification Link](#)

Introduction to Deep Learning

Oct 2024

Kaggle Learn — Fundamentals of neural networks, backpropagation, and model optimization.

Certificate: Verification Link

Activities

Organizer, "1percent" Event

Creativa Benha, Dec 2025

Coordinating meetup logistics: scheduling, registration, and venue management.

Judge, CODEAVOUR Competition

GDSC Benha, Sep 2023

Judged student projects (robotics/software) focused on sustainable development. Drive link