Amr Mohamed Ahmed

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PROFESSIONAL SUMMARY

Recent Artificial Intelligence graduate from Menoufia University with a strong foundation in Machine Learning, Computer Vision, Natural Language Processing, and Retrieval-Augmented Generation (RAG). Proficient in Python, PyTorch, TensorFlow, OpenCV, and LangChain, complemented by trainings in AI and leadership from Harvard and NTI. Eager to apply technical skills and collaborative mindset to innovative AI projects.

EDUCATION

Bachelor of Artificial Intelligence

Menoufia University, Department of Machine Intelligence

Graduated: July 2025

Overall Grade: Good

GRADUATION PROJECT

ARGUS AI - Smart Exam Monitoring System (Spring 2025)

- Designed and implemented a real-time AI-powered exam monitoring system to detect cheating behaviors and unauthorized tools in physical exam halls.

- Integrated YOLOv8 for object detection, FaceNet for identity verification, and custom phone detection algorithms.

- Developed a Django-based web interface for live visualization and reporting, featuring a RAG-based natural language query system.

- Technologies: Python, OpenCV, TensorFlow, YOLOv8, SQLite, LangChain, Django

PROJECTS

Therapist Chatbot

- Developed an LSTM-based chatbot using NLP techniques in Python, achieving a 30% increase in user engagement and reducing average response time by 4 seconds.

AI Job Search Platform (Flask, LangChain, FAISS, Selenium)

- Created full-stack web app with web scraping, RAG-based career advisor, CV analysis, and skill matching for personalized job recommendations

Character Simulator RAG System

- Created an AI-driven character simulation system leveraging Retrieval-Augmented Generation (RAG), LangChain, and FAISS for semantic search, enabling realistic digital personas with dialogue history and multi-character support.

TRAININGS & COURSES

- **Aspire Leadership Program**, Harvard University (Summer 2024)
  Completed 30 hours from a Harvard Business School-founded online leadership development program, connecting with peers and educators from over 150 countries.

- **Artificial Intelligence Course**, National Telecommunication Institute (NTI) (Summer 2022)
  Completed 90 hours of technical AI training and 30 hours of soft skills development.

- **Odoo Training Program** (Summer 2024)
  Gained practical experience in Odoo's financial transactions and AI integration modules including Sales, Inventory, and Studio.

ACTIVITIES

- **AI Entrepreneurship Club** (Feb 2022)
  Coordinated events and programs to support local entrepreneurs, fostering a vibrant startup ecosystem.

- **Partnership & Sponsorship Lead**, Google Developer Student Clubs (GDSC) Menoufia University (Nov 2023)
  Developed and managed sponsorship strategies, securing funding and resources for university events.

SKILLS

- Programming & Frameworks: Python, TensorFlow, PyTorch, OpenCV, Django, LangChain

- AI & Machine Learning: Computer Vision, NLP, LSTM, YOLOv8, FaceNet, RAG, ResNet50

- Tools & Technologies: SQLite, FAISS, Odoo

- Soft Skills: Leadership, Teamwork, Communication

LANGUAGES

- English: Advanced (Reading and Writing)

- German: Intermediate (Reading), Basic (Speaking)