Waleed Hussien Ahmed Elsayed

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EDUCATION

Benha University, **Benha**   *Expected Graduation: July 2024 Bachelor in Computer Science | Minor:*
Artificial Intelligence Department   *GPA:* **3.4/4**

Relevant Coursework: Structured Programming, Calculus, OOP, Computer Architecture, Data Structures, Machine Learning, DL, Computer vision, NLP, Reinforcement Learning, Databases,

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SKILLS

 Technical: Python, C++, Problem solving , Machine Learning, Computer Vision, Natural Language Processing, Transformers

Language: Arabic (Mother Language) , Fluent in English

WORK EXPERIENCE

Founder at Innovators Academy   January 2024 – Present

- Established Innovators Academy, offering courses in Python, machine learning, robotics, and programming Contributing to the creation of software solutions for clients.
- Delivered instruction, managed instructors, and fostered a collaborative learning environment

Zewail City of Science and Technology | Data Science Internship   July 2023 – September 2023

- Participated in diverse data science projects at Zewail City, collaborating across disciplines. Focused on data analysis, ML model development, and research support, while learning and applying ML, DL, NLP, and CV techniques

Instructor at Alex Training Center   August 2023 – May 2024

- Delivered lessons on Arduino, hardware, and software to students. Guided the implementation of a Clinic System, prioritizing user-friendly doctor selection.
- Developed course materials and hands-on projects.

PROJECTS

Horus Eye :

- Utilized large language models (LLMs) to answer visitor questions about artifacts.
- Integrated OCR and computer vision techniques for real-time artifact scanning and identification.

Smart IOT Agriculture System :

- Developed a mobile app-controlled IoT system with AWS services for farm management. Implemented features for doctor appointment management, patient booking, and credit card billing.
- Monitored soil moisture, controlled water pumps, and detected weather conditions.
- Created an AI model to scan and assess plant health.

Car Plate Recognition :

- Developed and deployed a system using YOLO and OCR to identify and extract car plate numbers.

Arabic Text Summarization:

- Fine-tuned transformer models on custom data and used NLP techniques to summarize Arabic text, deploying the solution with Streamlit.

Arabic Search Engine :

- Developed and deployed a website using NLP techniques to index documents and rank search results based on similarity to the search query.

VOLUNTEER EXPEERIENCE

MRING | Head Technical   June 2022 – present

- Conducted training sessions for members, managed technical projects, and developed educational materials.
- Led the technical team, overseeing project execution and ensuring the quality and relevance of training content.

IEEE Student Modern Academy Branch | Scientific Member   September 2023 – present

- Contributed to scientific research projects, organized educational events, and collaborated with peers to advance knowledge in engineering and technology.

Certificates and Competitions

Master Machine learning and AI Diploma at Amit :   Mar 2023 – August 2023

- Achieved a remarkable grade of 98, showcasing exceptional mastery in advanced data analysis and machine learning techniques.
- Specialized in machine learning, linear algebra, calculus, NLP, CV, and MLOps, demonstrating comprehensive expertise in Data Science domains.

CCNA: Introduction to Networks CISCO:

- Fundamental course on networking concepts and protocols, laying the groundwork for understanding network infrastructure.

AWS Academy Data Engineering:

- Comprehensive training in data engineering concepts and tools within the AWS ecosystem, enabling students to design and implement scalable data solutions.

INTEL ISEF Competition (2019,2020) : • Led the team to hold 10+

technical and non-technical sessions/events.

7TH international competition of Military Technical college :

- Abstractive Arabic Text Summarization For More than 150 Teams