Mazen Hamada

Data Analyst

Cairo, Egypt, 01119007741, mazen.h.badr@gmail.com

LINKS

LinkedIn, GitHub

PROFILE

Ambitious and dedicated Computer Science fresh graduate with a strong foundation in Data Science & Machine Learning. Seeking opportunities to apply my skills and contribute to innovative projects in the AI field.

EXPERIENCE

Data Administrator, Egyptian Red Crescent | Jul 2023 — Present   Cairo

• Developed data collection forms and conducted data analysis to support aid for Gaza crisis relief efforts.

• Created visualizations and reports with strategic insights to aid decision-making.

Data Administrator, Egyptian Red Crescent | Jul 2022 — Jun 2023   Cairo

• Provided technical support to the data entry team for the COVID-19 vaccination project, ensuring smooth and efficient data entry processes.

• Conducted regular audits at the vaccination points to ensure accuracy and completeness of beneficiary information.

• Validated entered data to maintain high data integrity with project standards.

Cyber Security Trainee, MSP Tech Club - ASU | Aug 2022 — Aug 2022   Cairo

Web Development Trainee, Ain Shams University | May 2021 — May 2021   Cairo

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EDUCATION

Bachelor's degree, Computer and Information Sciences,   2021 — 2024

Ain Shams University

GPA: 3.113

Digital Egypt Builders Initiative (DEBI) Student   Nov 2024 -Present

Track: Data Science & Cloud Computing

PROJECTS

Game Glimpse | Flutter, Python, Tensorflow, Pytorch

Graduation Project

Grade: A

• Developed a deep learning model to summarize football matches.

• Deployed the model in a Flutter app named Game Glimpse.

• Collaborated with a team of 6 members to design, implement, and test the app.

Ecommerce App (DevOps Approach) | Docker, Kubernetes, Flask, SQLite.
Cloud Computing course
• Dockerized python flask app and made containers.
• Deployed the app using Kubernetes.

FOS | C
Operating Systems course
• Built the Memory management module in the FOS kernel.
• Implemented paging algorithms and memory allocation functions in the kernel mode and user mode.

Matrix Multiplication | C#
Algorithms Analysis and Design course
• Implemented an efficient algorithm to multiply two matrices that consist of hundreds of thousands of digits.
• Reduced the divide & conquer algorithm run time by 76%.

EOG Based arrow interface | Python
Human-Computer Interaction course
• Built an AI model that detects the human eye movement and controls the computer based on it.

Graduation Projects Management System | C#, MS SQL, Crystal Reports
Software Engineering course
• Built the admin dashboard logic and GUI to help him manage the system.

Multi Queue System Simulation | C#, MS SQL, Crystal Reports
Modelling and Simulation course
• Built an automated system to track a multi queue system and simulate it to enhance the parameters of the system.

SKILLS

| Deep Learning | - | Computer Vision | - | Machine Learning | - | Data Structures | - | Algorithms |
| Data Science | - | Data Analysis | - | Problem Solving | - | Teamwork | - | Communication |

LANGUAGES

English   Highly proficient   Arabic   Native speaker

COURSES

Deep Learning Specialization by DeepLearning.AI, Coursera   Oct 2023
Applied Data Science Specialization by IBM**,** Coursera   Oct 2024

VOLUNTEERING

Data Entry Volunteer, Egyptian Red Crescent   Aug 2024 — Aug 2024

• Volunteered with the Egyptian Red Crescent in North Sinai during the **GAZA Crisis**, providing essential support in response to a humanitarian crisis.

• Ensured accurate recording of data regarding humanitarian aid delivered to GAZA.

Data Entry Volunteer, Egyptian Red Crescent   Jul 2023 — Jul 2023

• Volunteered with the Egyptian Red Crescent at Argeen Land Port during the **Sudan Crisis**, providing critical support during a humanitarian emergency.

• Played a key role in data entry and information management, ensuring accurate and timely recording of essential data.