Fares Hesham

Data Scientist

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Seeking to obtain a data scientist internship that will allow me to apply my knowledge and skills in computer and communication engineering, as well as learn from experienced professionals in the field. I have a strong background in programming, data analysis, machine learning, and communication, and I am eager to contribute to meaningful projects that can solve real-world problems.

EDUCATION

Cairo University Faculty of Engineering	Giza
Computer and Communication Engineering (3.72)	2020–2025
Knowledge Valley Schools	Giza
IGCSE (8 O levels (7A* and 1 A) 2 AL (2A*))	2008–2020

PROFESSIONAL EXPERIENCE

Data Science Intern at Banque Misr Digital Factory September – October 2022

- Coordinated a team of 10 members to deploy machine learning models for BMonline app, resulting in a feature that located ATM machines & branches near the user. After the internship I got offered a part time position.

Technology Intern at Etisalat Egypt by e& August – September 2022

- Attended 25+ technical sessions to develop expertise in software engineering & crafting solutions; ranked 1st in over 100 participants for the social media competition

PROJECT EXPERIENCE

Al Kabeer [C++, Arduino, Java, OpenCV] 🔗

- Lead a team of 22 members to design and develop a robot that can play 5 games: football penalties (shooting and goalkeeping); solving a maze; collecting balls of a certain color; darts. We won against 10 other teams.

AES Encryption & Decryption [Verilog, RTL] 🔗

- AES encryption/decryption module with SPI deployed on the intelFPGA as a part of the Logic Design-2 course.

Electronic HealthCare System [C#, .NET, Azure] 🔗

- Created Electronic HealthCare System Database with 5 different application views for the Patient, Hospital, Laboratory, Pharmacy and Administrator.

Predicting Medical Charge [Python] 🔗

- Predicting medical insurance charges based on age, BMI, children, and smoker using all regression models, this was part of the internship at Banque Misr Digital Factory.

Chezz [x86 Assembly] 🔗

- Built a reinterpretation of "Chezz: Play Fast Chess" game using x86 assembly and serial communication where 2 players can play simultaneously on 2 different devices through a physical cable or online.

Museum of Candy [HTML, CSS, JS, Bootstrap] 🔗

- Responsive and accessible webpage made using HTML, CSS (Bootstrap), JavaScript. It is a part of "The Web Developer Bootcamp 2022" course on Udemy by Colt Steele.

Shipping Company Simulation [C++] 🔗

- A Data Structure and Algorithms project that simulates journey of shipping trucks implemented using different ADTs and DSs.

Snakes and Ladders with Monopoly Cards [C++, OOP, CMUgraphics Library] 🔗

- A reinterpretation of the classical game Snakes and Ladders but with a twist by adding Monopoly Cards and won 1st place.

LEADERSHIP EXPERIENCE

Momentum Robotics Cairo University   October 2022 – Present
Head of Software Department
- Leading a team of 20 students to develop software for robots and compete in international competitions.

Cairo University Faculty of Engineering
Class Representative   September 2020 – Present
- Responsible for being a channel between students and the professors, resolving conflicts between students and organizing events among colleagues.

SKILLS

Programming	Computer	Concepts	Languages
- C/C++/C#	- Microsoft Office	- Design & Analysis of Algorithms	- Arabic (native)
- JavaScript	- Photoshop	- Data Structures	- English (Fluent)
- Python	- Premiere Pro	- Databases	- French (A2)
- HTML/CSS		- Problem Solving	- German (A2)
- Matlab		- Version Control	
- mySQL			

HONORS & ACTIVITIES

2022 Participated in the annual ECPC (Egyptian Competitive Programming Collegiate). [Credentials]🔗