

Fares Hesham Abdelmoneim

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EDUCATION

Cairo University Faculty of Engineering

Giza, Egypt

BSc in Computer and Communication Engineering (GPA: 3.69)

Expected July 2025

- Organizations/Awards: Class representative and head of the software development team at Momentum Robotics Cairo University.

WORK EXPERIENCE

_VOIS [Java, Spring Boot, OpenAPI, SQLite, JUnit, Mockito, GitHub, AssertJ, Hibernate] Cairo

Software Engineer Intern (Backend)

August 2023 - September 2023

- Led the refactoring initiative for Vodafone's Learning Hub backend, actively participating in testing, implementation, and documentation phases.
- Played a key role in implementing features that garnered recognition and were successfully deployed on the Learning Hub.

Orange Business [Linux, Docker, Kubernetes, Vagrant]

Cairo

Cloud Engineer Intern

July 2023 - August 2023

- Developed in-depth expertise in containerization and Kubernetes, assuming a leadership role in the team.
- Successfully deployed a web application using Docker, Kubernetes, and Nginx, earning the project the distinction of Best Project and Presentation.
- Demonstrated Proficiency in applying advanced cloud technologies and collaborating effectively for outstanding results.

Banque Misr Digital Factory [Python, Pandas, SQL]

Cairo

Data Scientist Intern

August 2022 - October 2022

- Coordinated a team of 10 members to deploy machine learning models for the BMonline app.
- Successfully implemented a feature that locates ATMs & branches near the user.
- Offered a part-time position post-internship due to outstanding contributions.

PROJECT EXPERIENCE

Electronic Healthcare Records System [C#, .NET, Azure, SQL]

- Designed and implemented a scalable Electronic HealthCare System using C#, .NET, and Azure.
- Developed a secure database with five application views for Patients, Hospitals, Laboratories, Pharmacies, and Administrators.

Egyptian Premier League Match Reservation System [MERN]

- Engineered a robust Soccer Match Reservation System utilizing the MERN stack, featuring seamless integration of web sockets for real-time updates and a range of advanced functionalities.

Escape the SCP [C++, OpenGL]

- Designed a full 3D game engine using OpenGL and utilized its functionalities to create a 3D horror game and won 2nd place in the competition.

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

- Led a 22-member team in designing and developing a versatile robot for five games, showcasing leadership and expertise in C++, Arduino, Java, and OpenCV.
- Secured victory against 10 competing teams.

Predicting Medical Insurance Charges [Python]

- Spearheaded the development of a predictive model for medical insurance charges using Python and various regression models.
- Applied data science techniques to analyze factors such as age, BMI, children, and smoking habits, contributing to practical solutions in the financial sector.

Shipping Company Simulation [C++, Data Structures, Algorithms]

- Developed a comprehensive data structure and algorithms project simulating the journey of shipping trucks.

SKILLS & INTERESTS

Skills: C++ (proficient), C# (proficient), JavaScript (proficient), Python (proficient), Java (prior experience), SQL (proficient), MongoDB (prior experience).

Interests: Leadership, Talks and Speeches, Handball.