Mai Bahaa Yousef

Mai.20367813@compit.aun.edu.eg | maibahaa01@gmail.com | +201143829909 | Egyptian | Single | Female | **[Linhttps://www.linkedin.com/in/mai-bahaa-869552242kedIn](https://www.linkedin.com/in/mai-bahaa-869552242)** | https://github.com/MaiBahaa01

Education:

Bachelor of Computer and Information (Bioinformatic), Assiut University, Egypt, June 2023.
Graduation Grade: V.Good(H)
Graduation Project Grade: Distinct   Sep 2019 - Jul 2023

Relevant Projects:

● **Microarray gene expression**
- Alterations in circulating monocytes predict COVID-19 severity and include chromatin modification still detectable six months after recovery.
- Tools: NCBI, GEO, R

● **Operation System Simulation**
- C# project to simulate operating system.
- Starting with creating a virtual disk and fat file, then storing directory entry (file- folder) in a directory table   to write them in the virtual disk with all required steps before that like checking if there's enough space in our disk and searching for the first cluster to start writing at...etc.
- Tools: - C#

● **Biological Website**
- This is a site that performs some operations on a file or sequence of DNA, RNA or protein. Apply some biological operations on biological data.
- Tools: - Python

● **Desktop application**
- A Desktop application to help students who are interested in scientific research in the field of bioinformatics and help them to reach all the related publication papers in the same category.
- Tools: - C#, Windows Form

● **Brain Ware Website (version 1)**
- Our project is a website that helps patients and doctors to discover whether there is a tumor in the brain or not. That it is important to help early treatment and increase the chances of recovery from the tumor.
- Tools: - HTML, CSS, JS, Django, Docker, Machine learning and deep learning.

● **Brain Ware Website (version 2)**
- Our project is a website that helps patients and doctors to discover whether there is a tumor in the brain or not, even if there is a tumor that identifies it and distinguishes it from the rest of the brain tissues in order to facilitate treatment and preserve healthy cells from injury .It also identifies three important areas with the tumor, namely the edema, core, and enhancing, , to help the doctor determine the type and size of the tumor, and this will help in treatment. Clearly, the purpose of our website is detection and segmentation of the brain tumor and some areas, that it is important to help early treatment and increase the chances of recovery from the tumor.
- Tools: - HTML, CSS, JS, Django, Docker, Machine learning and deep learning.

Technical Skills:

Programming languages: C++, Python, R, C# and GO.
Frameworks: Django.
Other: HTML, CSS, Database, OOP, Data Structure, Algorithms, MongoDB, and Linux.

Personal Skills:

➢ Self – motivated.
➢ Quick learner.
➢ Active worker.
➢ Dealing with people.
➢ Public Relations & Co-operation.
➢ Ability to work within a team.
➢ Problem solving.

VOLUNTEER EXPERIENCE

- **Member OC & Offline Marketing at TEDx Assiut University**   2020-Present
- **Head Of OC Team at BIO CODE Assiut University**   2021-2023
  - BIO CODE is the first student activity in the Bioinformatics field in Egypt.
  - Organizing events in the Bioinformatics.
- **Head of HR at Resala Charity Organization Sohag**   2018-2019
- **Journalist at Bashkatib Ahl Sohag**   2016-2019

CERTIFICATIONS

- Certificate from CCHE-57357, Egypt that has completed trainee Multi-Omics Data Analysis.
- Certificate from Coursera that has successfully completed Supervised Machine Learning: Regression and Classification Course.
- Certificate from Mahara-Tech ITI Platform that has successfully completed Database fundamentals.
- Certificate from Mahara-Tech ITI Platform that has successfully completed Learn HTML & CSS course.
- Certificate from ITI that has successfully completed Introduction to web technologies (HTML, CSS).

WORK EXPERIENCE

- Trainee at CCHE-57357, Egypt
  Multi-Omics Data Analysis: This Workshop introduce the necessary background and practical experience of the strategies for the analysis of Gene profiling, Proteomics, and Metabolomics.